

System Programming & OS 실습

1. Virtual Box Installation

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- VirtualBox 설치
- VirtualBox 이미지 설정
- CentOS 설치

- VirtualBox 사이트 : <https://www.virtualbox.org/>



VirtualBox
Welcome to VirtualBox.org!

VirtualBox is a powerful x86 and AMD64/Intel64 virtualization product for enterprise as well as home use. Not only is VirtualBox an extremely feature rich, high performance product for enterprise customers, it is also the only professional solution that is freely available as Open Source Software under the terms of the GNU General Public License (GPL) version 3. See "About VirtualBox" for an introduction.

Presently, VirtualBox runs on Windows, Linux, macOS, and Solaris hosts and supports a large number of guest operating systems including but not limited to Windows (NT 4.0, 2000, XP, Server 2003, Vista, Windows 7, Windows 8, Windows 10), DOS/Windows 3.x, Linux (2.4, 2.6, 3.x and 4.x), Solaris and OpenSolaris, OS/2, and OpenBSD.

VirtualBox is being actively developed with frequent releases and has an ever growing list of features, supported guest operating systems and platforms. Running on VirtualBox is a community effort backed by a dedicated company: everyone is encouraged to contribute while Oracle ensures the product always meets professional quality criteria.

Click!

Download VirtualBox 7.0

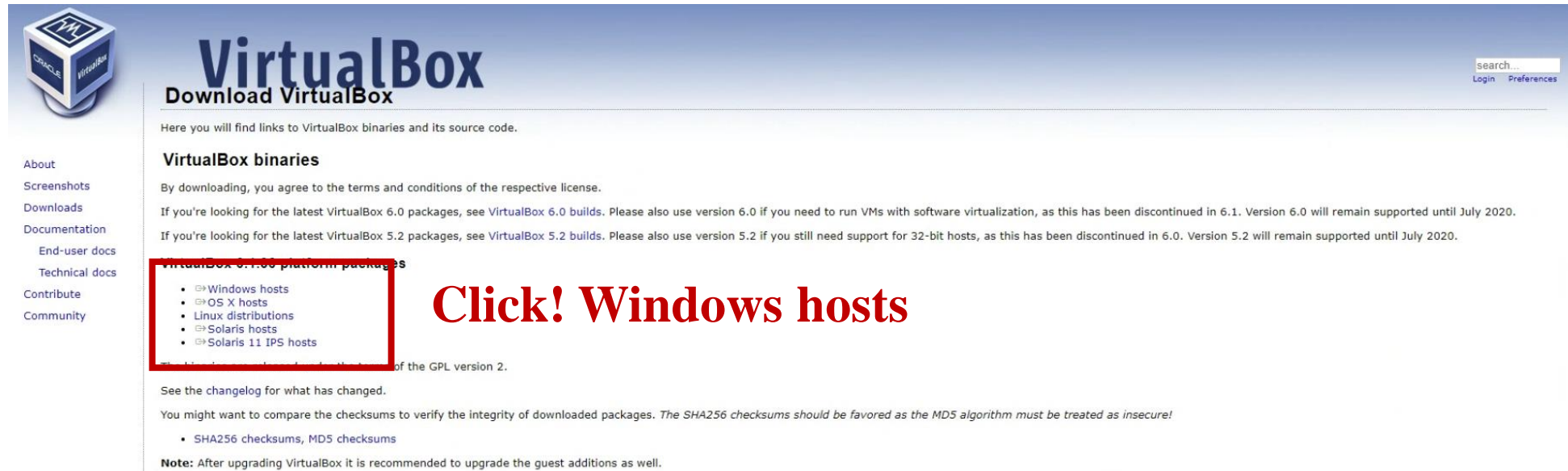
Hot picks:

- Pre-built virtual machines for developers at [Oracle Tech Network](#)
- **Hyperbox** Open-source Virtual Infrastructure Manager [project site](#)
- **phpVirtualBox** AJAX web interface [project site](#)

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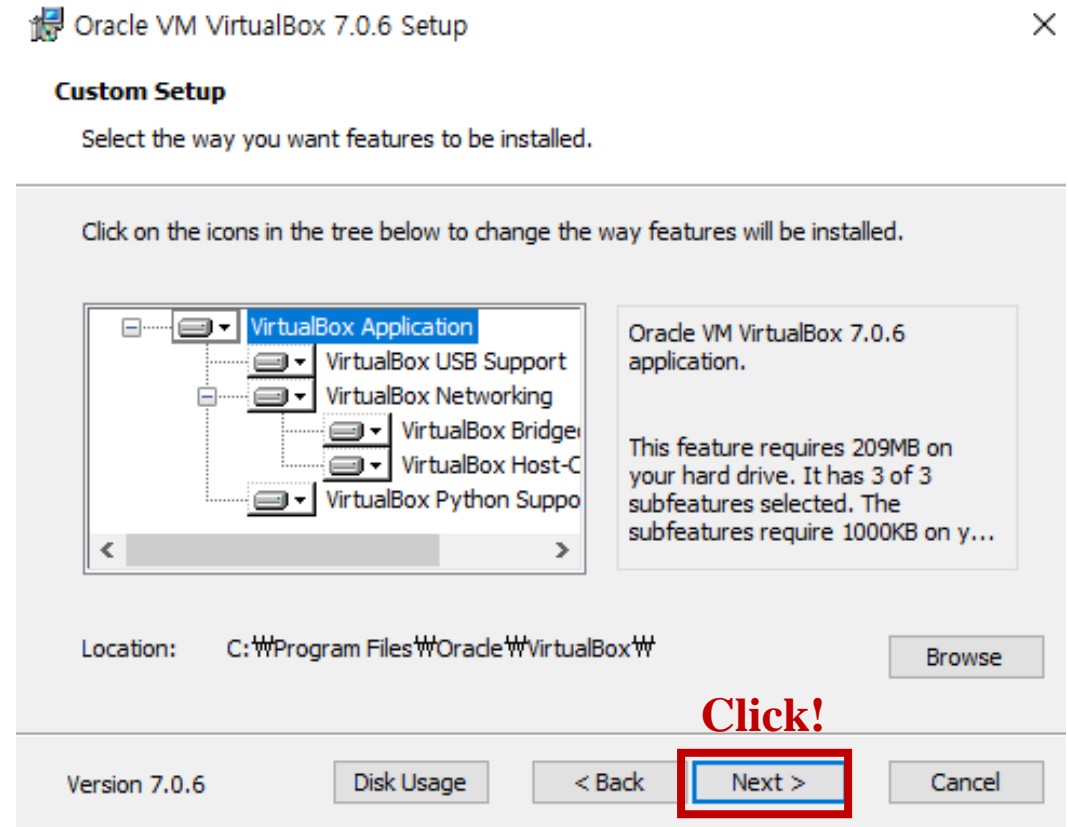
- VirtualBox 사이트 : <https://www.virtualbox.org/>



The screenshot shows the VirtualBox website's download page. On the left is a sidebar with links: About, Screenshots, Downloads, Documentation, End-user docs, Technical docs, Contribute, and Community. The main content area has the VirtualBox logo and the heading 'Download VirtualBox'. Below this, it states 'Here you will find links to VirtualBox binaries and its source code.' and 'VirtualBox binaries'. A disclaimer follows: 'By downloading, you agree to the terms and conditions of the respective license.' Then, it provides information about the latest builds for VirtualBox 6.0 and 5.2. A red box highlights the 'VirtualBox 6.1.0 platform packages' section, which lists: Windows hosts, OS X hosts, Linux distributions, Solaris hosts, and Solaris 11 IPS hosts. To the right of this box, the text 'Click! Windows hosts' is written in large red font. Below the list, there is a link to the changelog and a note about SHA256 and MD5 checksums. A final note recommends upgrading guest additions after upgrading VirtualBox.

Click! Windows hosts

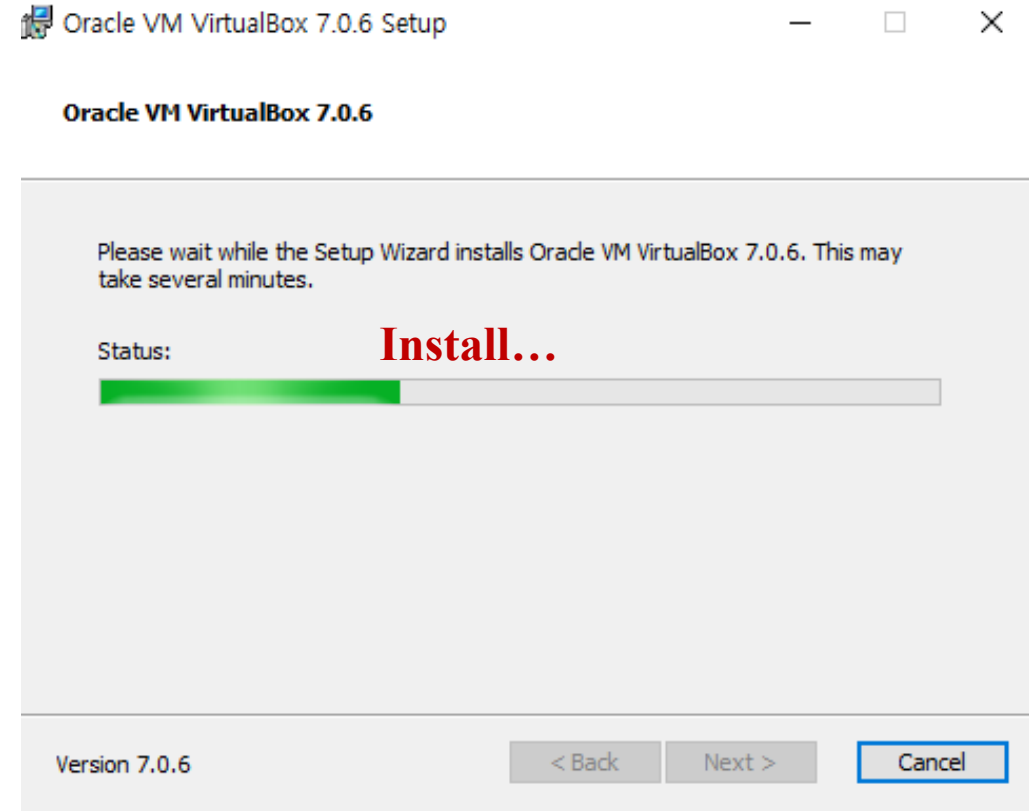
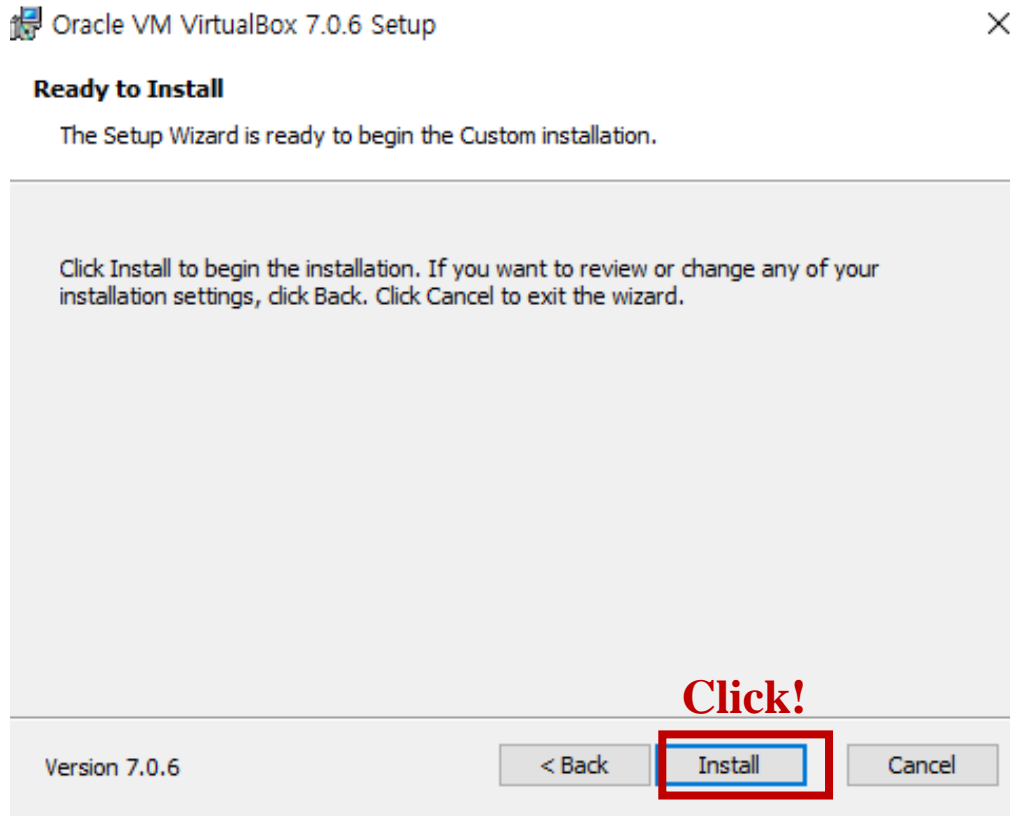
■ VirtualBox 설정



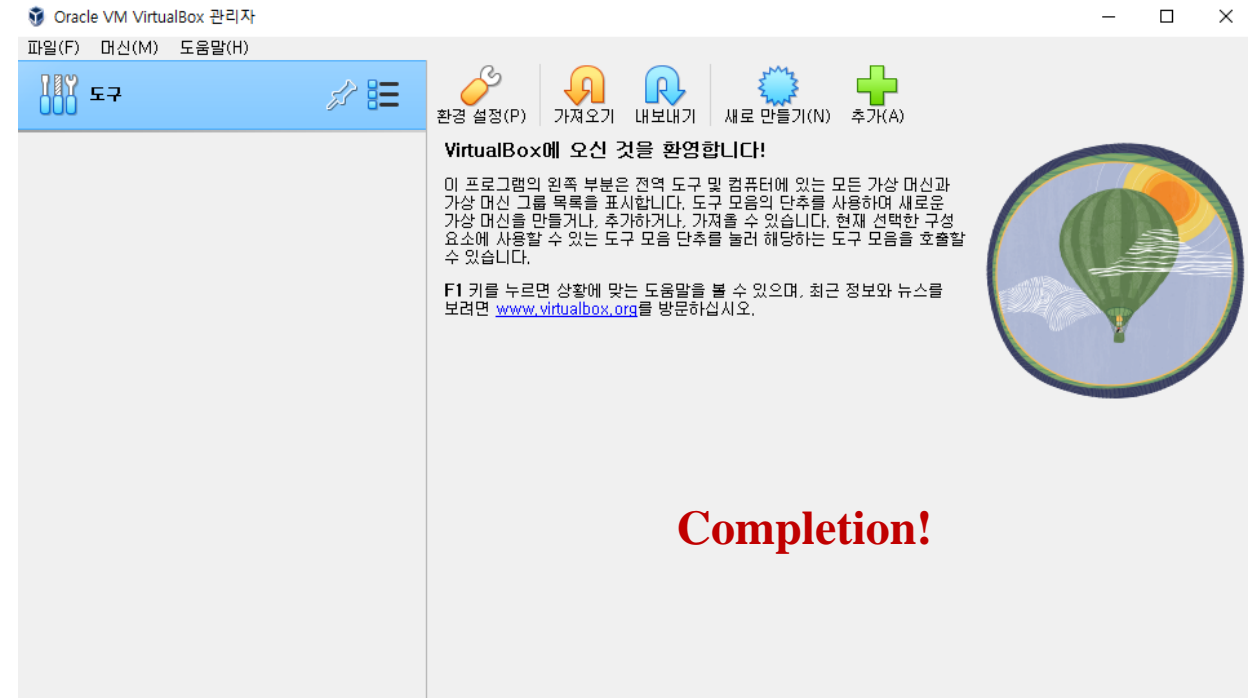
■ VirtualBox 설정



■ VirtualBox 설정



■ VirtualBox 설정



CentOS 다운로드

9

- CentOS Site : <https://www.centos.org/>

Click!

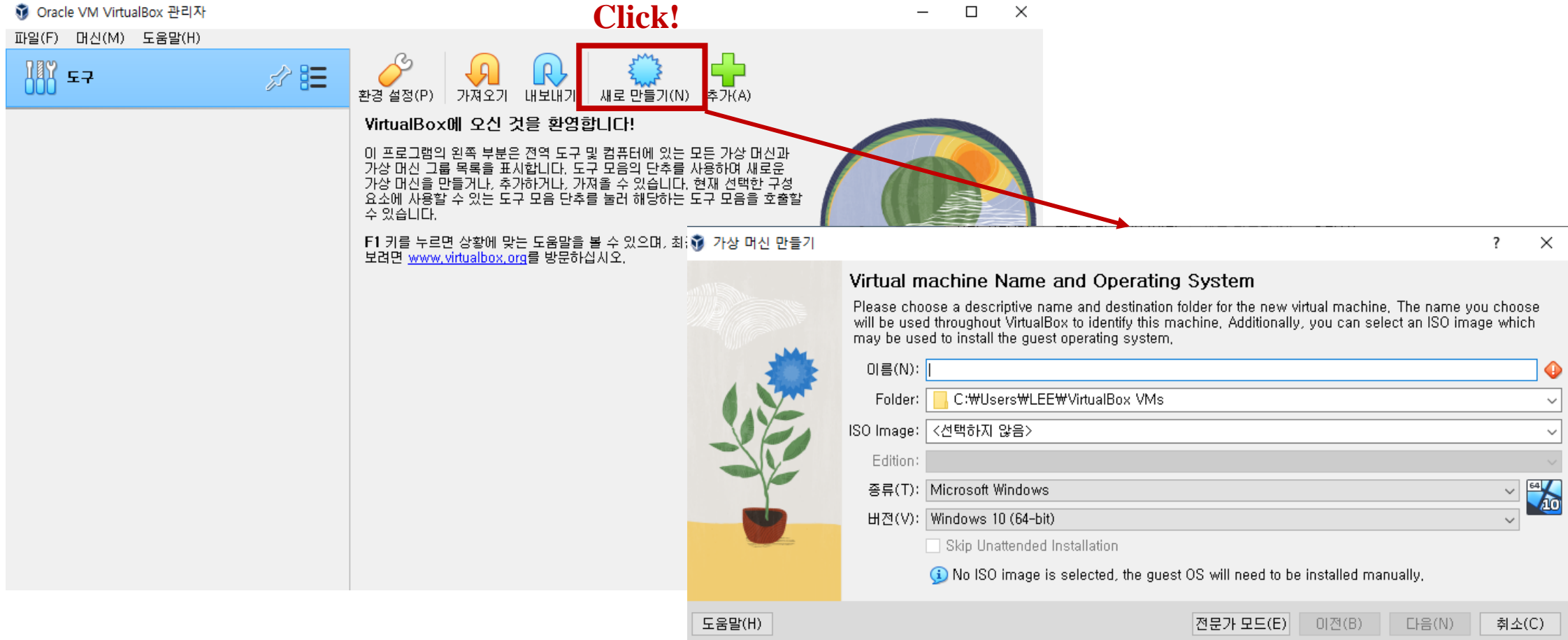
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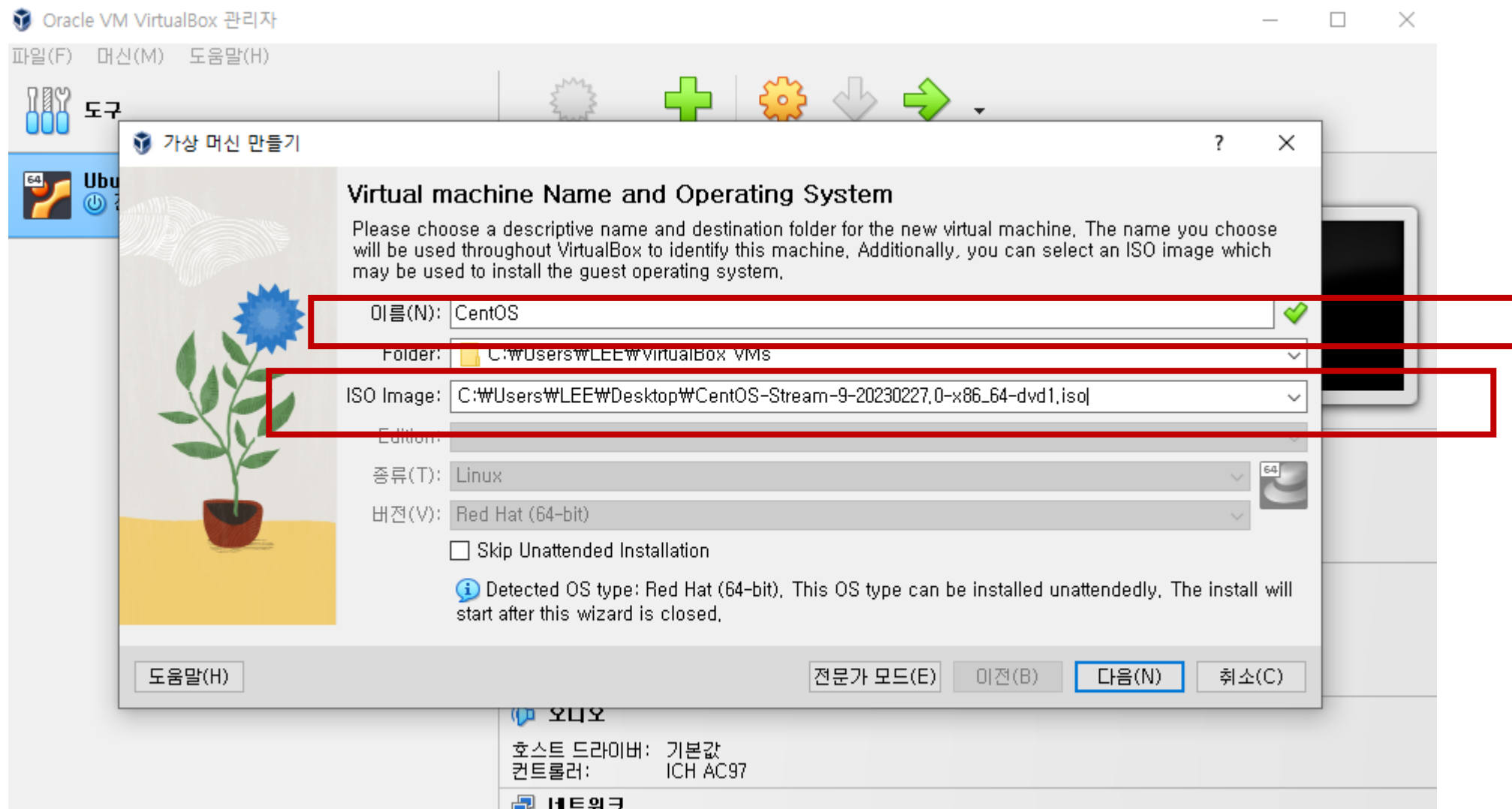
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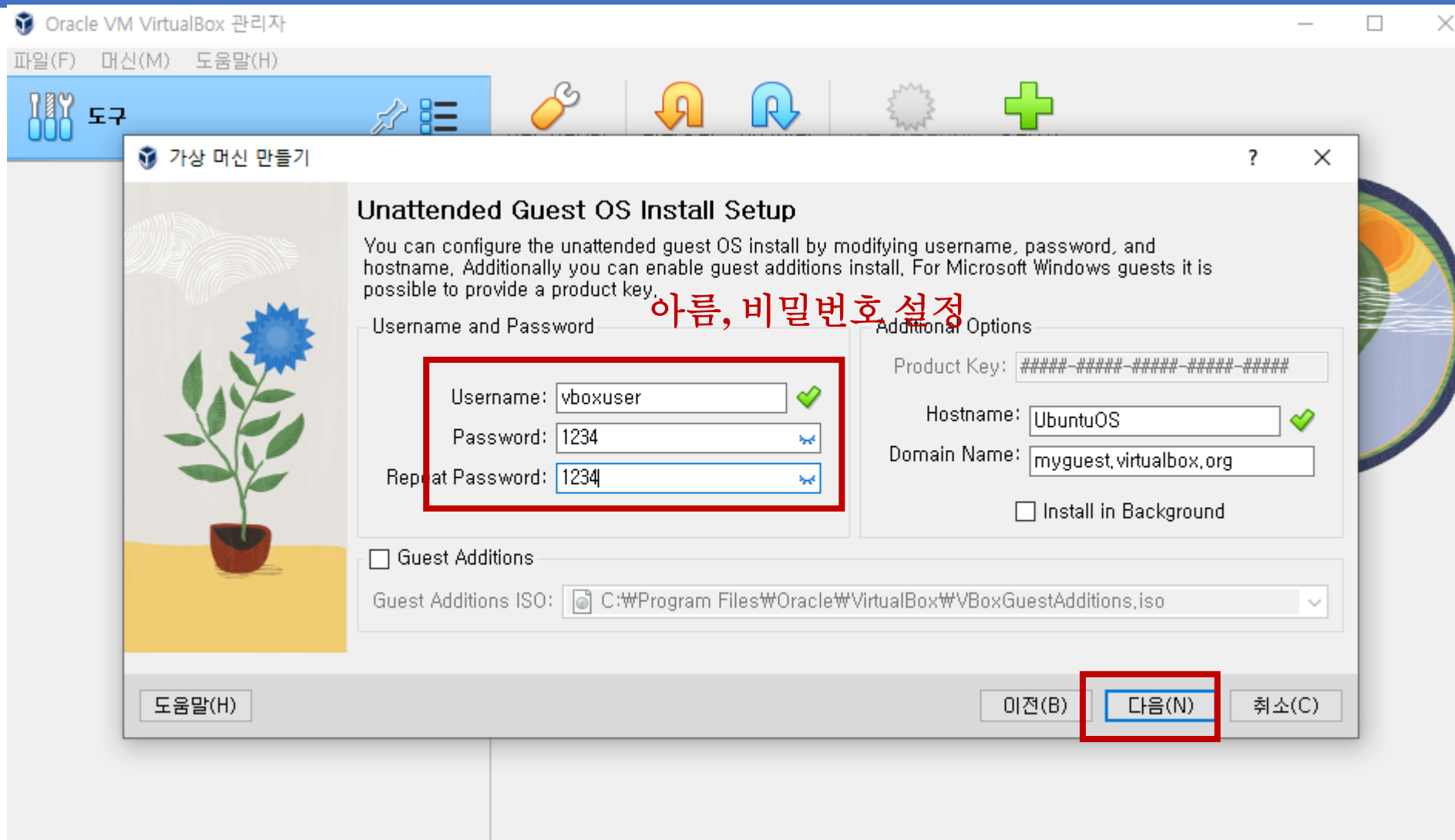
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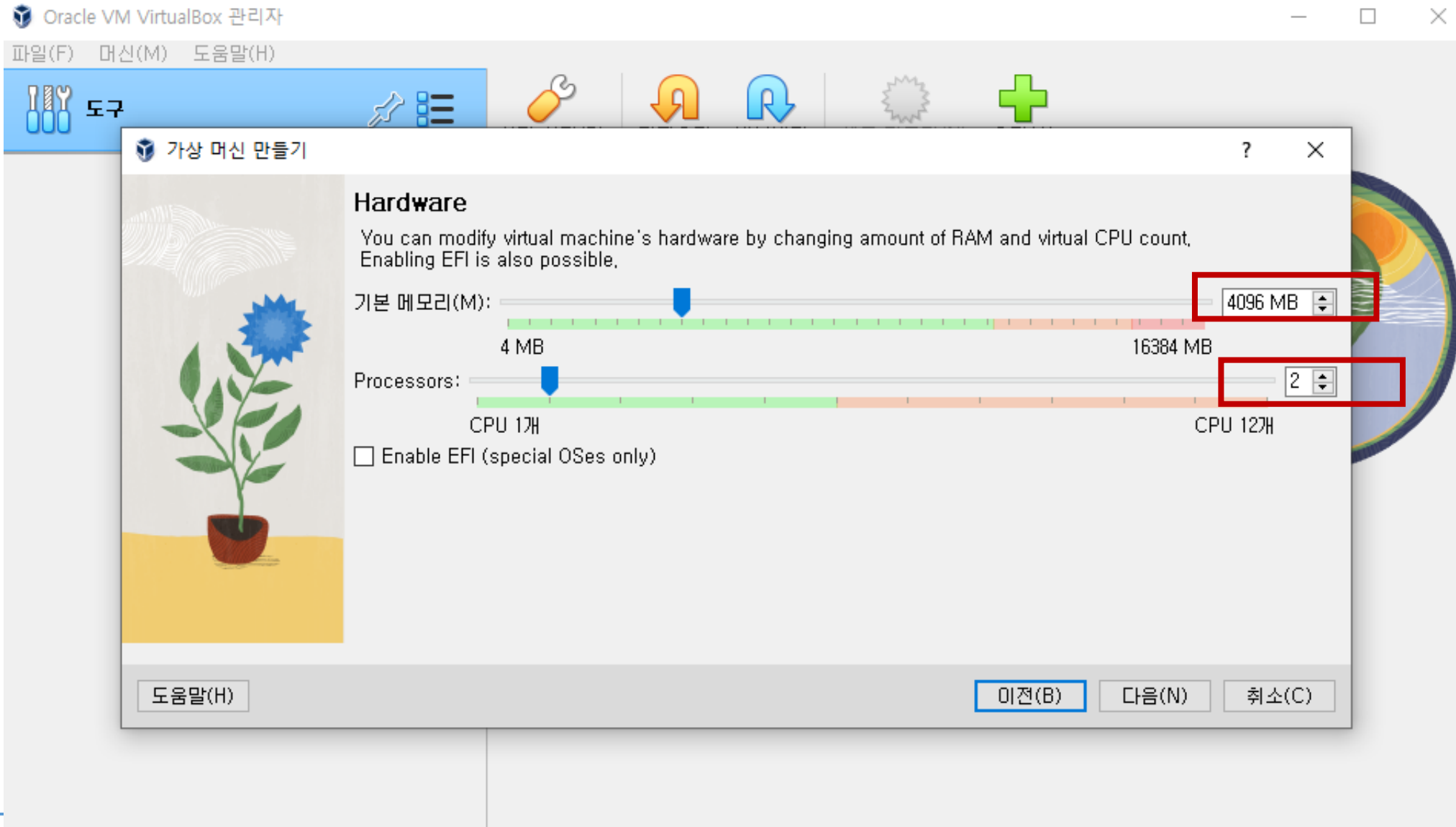
The screenshot shows the CentOS website with the following elements:

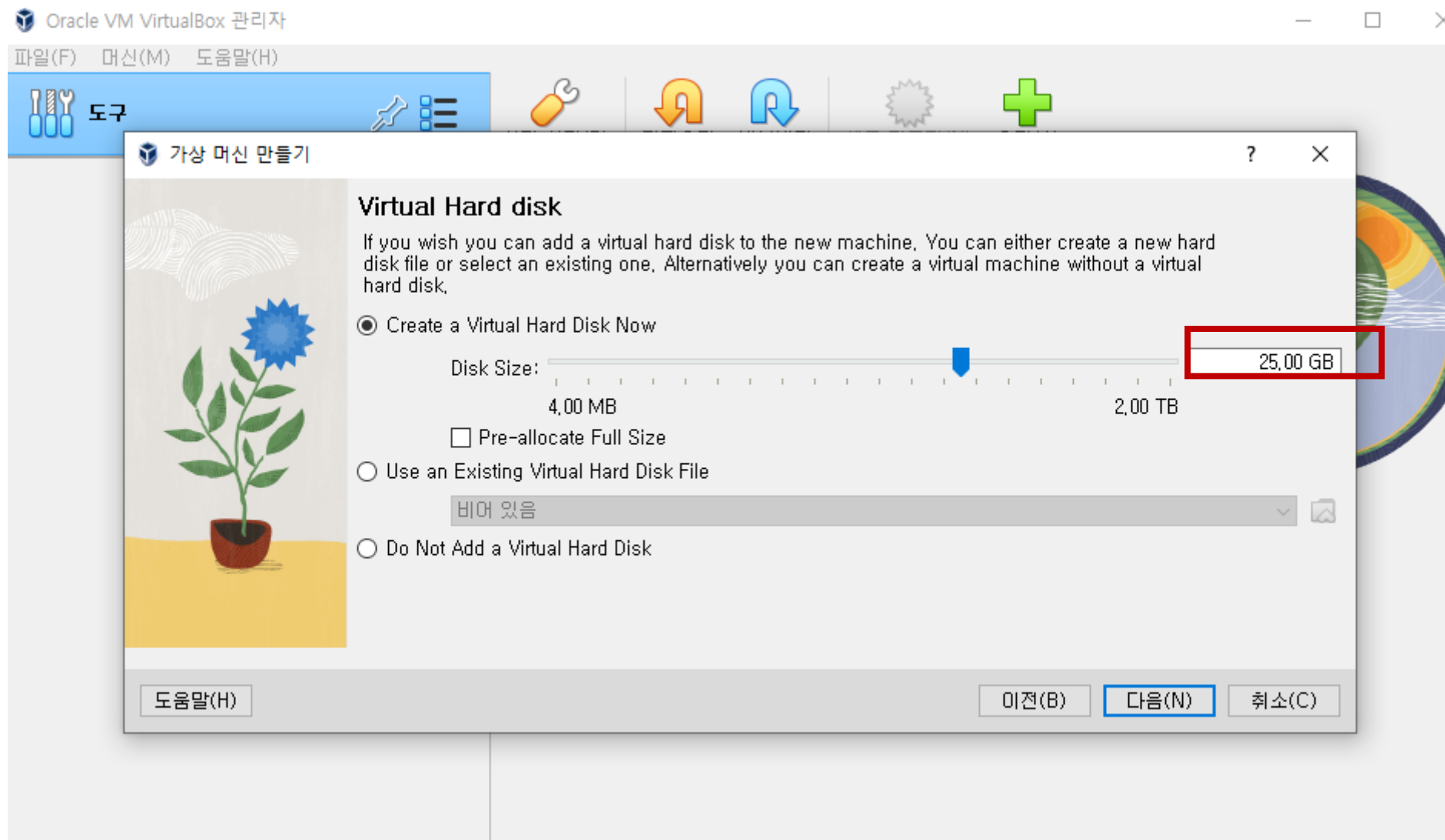
- Navigation Bar:** Includes links for Download, About, Community, Documentation, and Help. The 'Download' link is highlighted with a red box and labeled 'Click!'.
- Main Content Area:** Features the CentOS logo and the text 'The CentOS Project'. Below this, it states 'Community-driven free software effort focused around the goal of providing source communities to build upon.' and 'We offer two Linux variants: (What's the difference?)'. The 'CentOS Stream' button is highlighted with a red box and labeled '1 - Click!'.
- Version Selection:** A dropdown menu shows the version '9', which is highlighted with a red box and labeled '2 - Click!'.
- Architecture Selection:** A table lists various architectures. The 'x86_64' architecture is highlighted with a red box and labeled '3 - Click!'.
- Download Icon:** A red arrow points from the 'x86_64' selection to a download icon labeled 'CentOS-Stream-9-latest-x86_64-dvd1'.



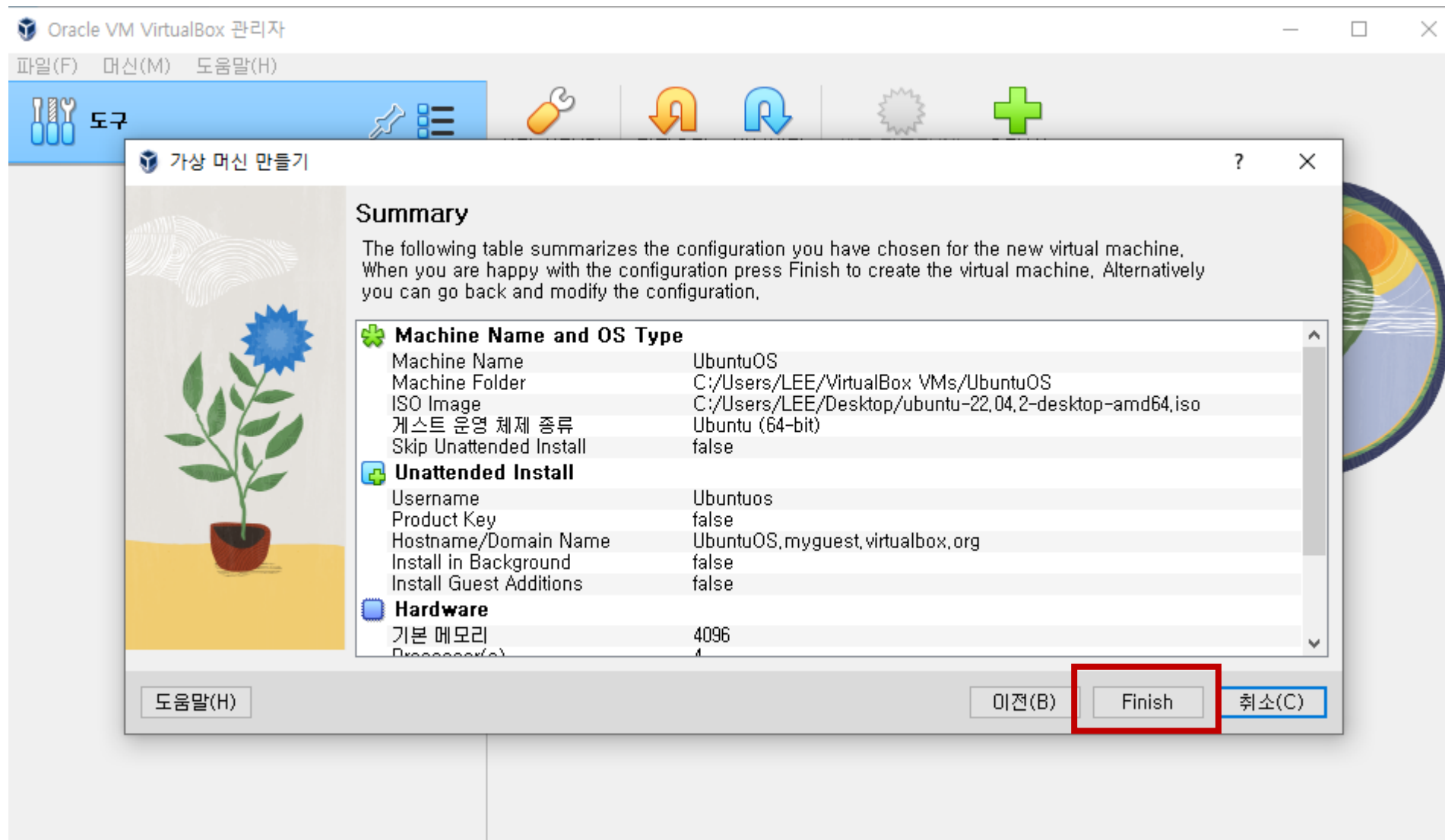




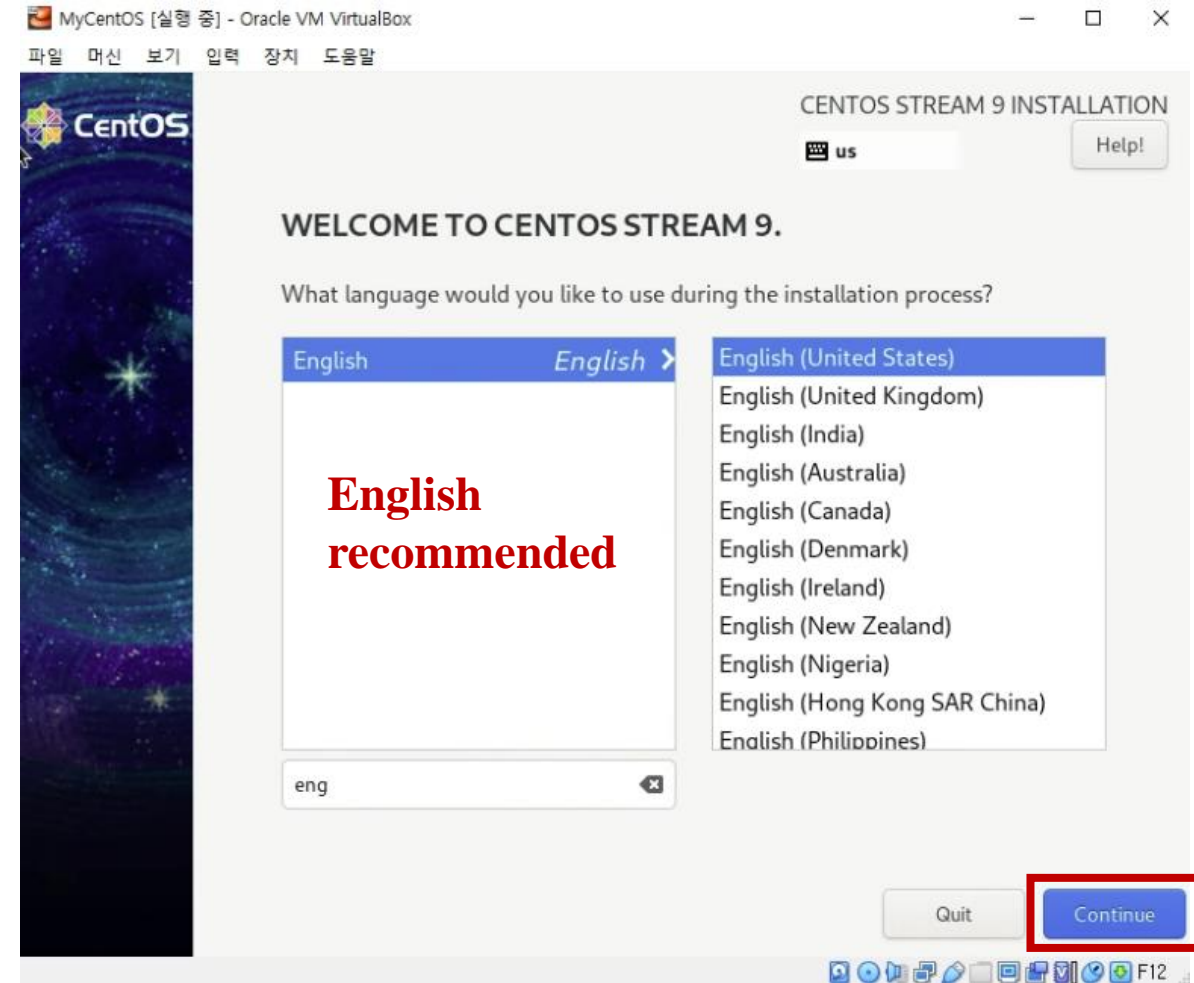
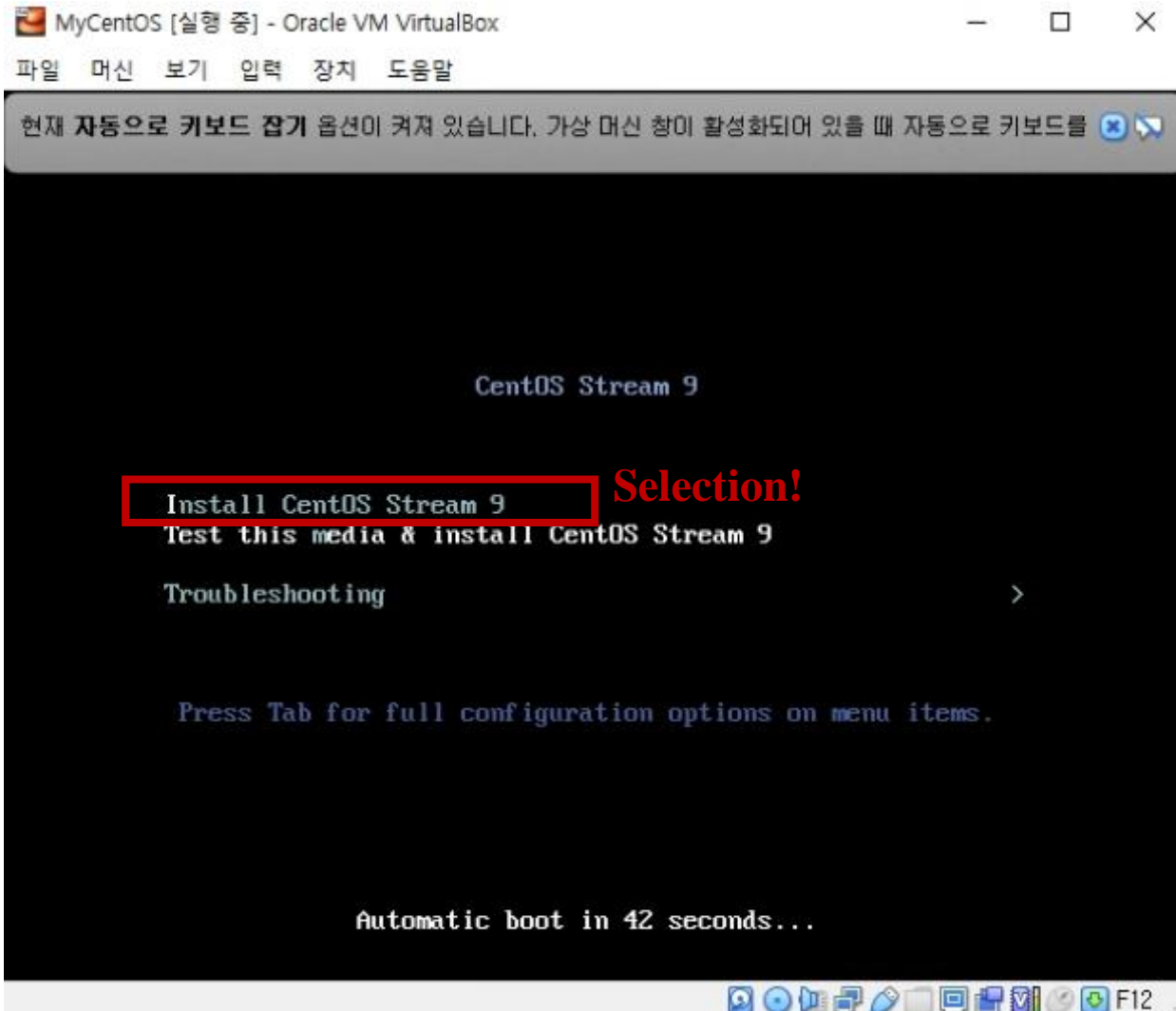


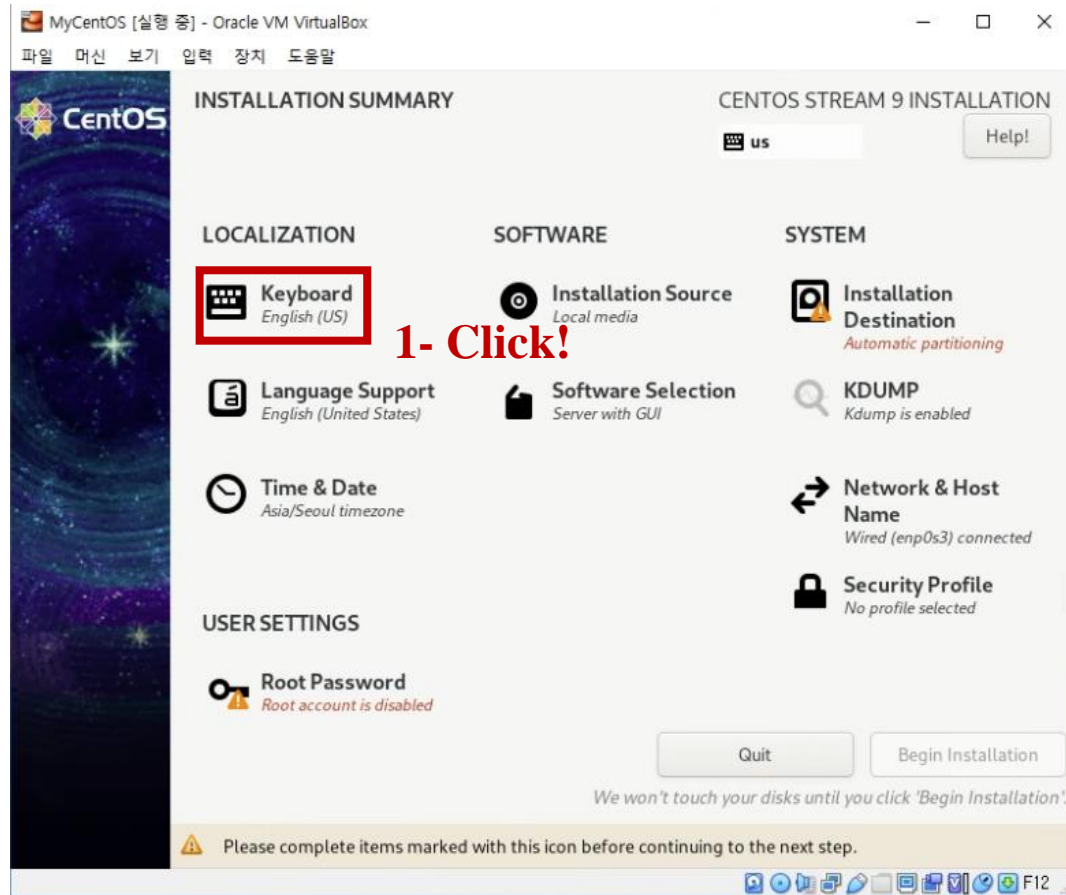


25GB 추천

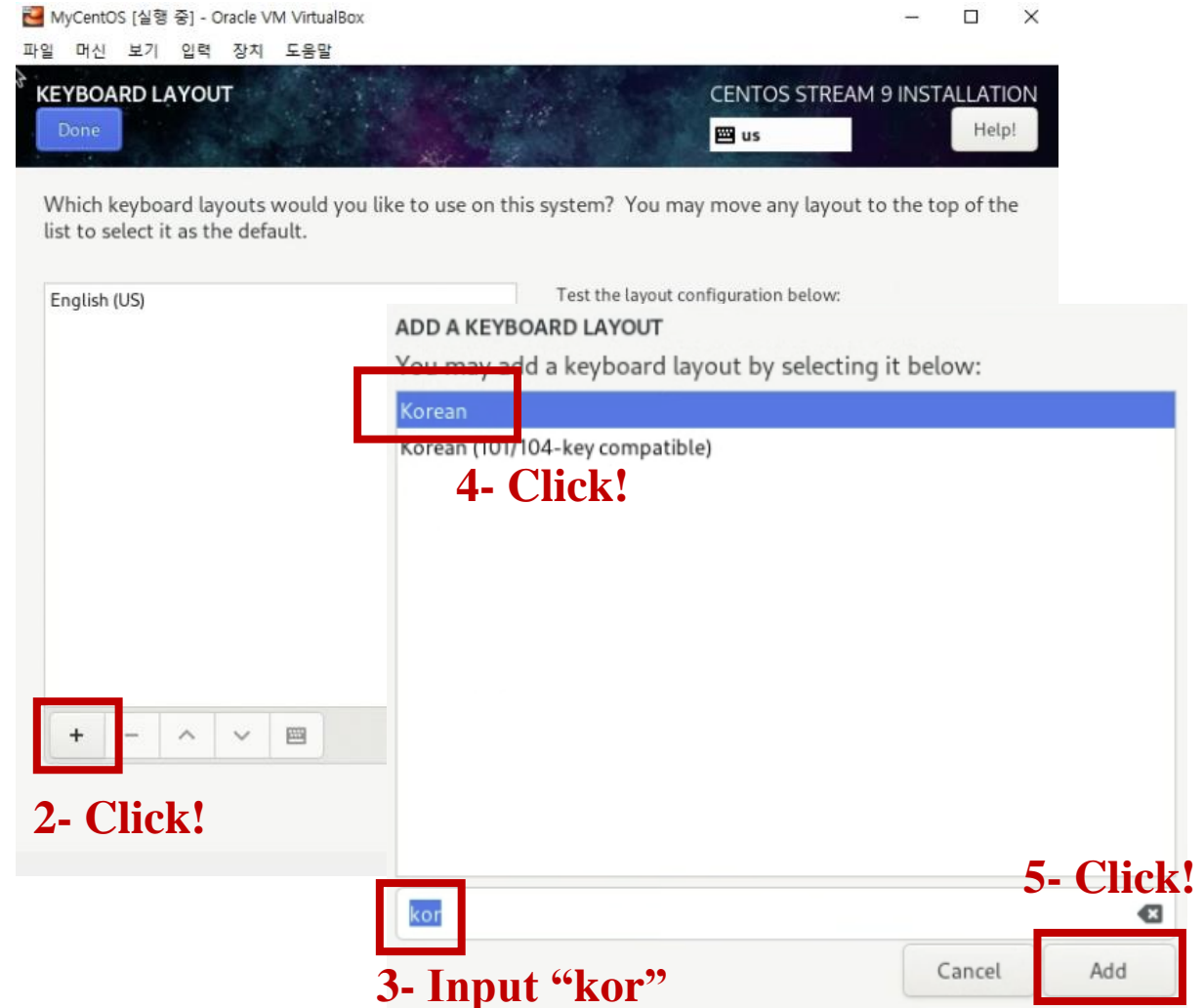


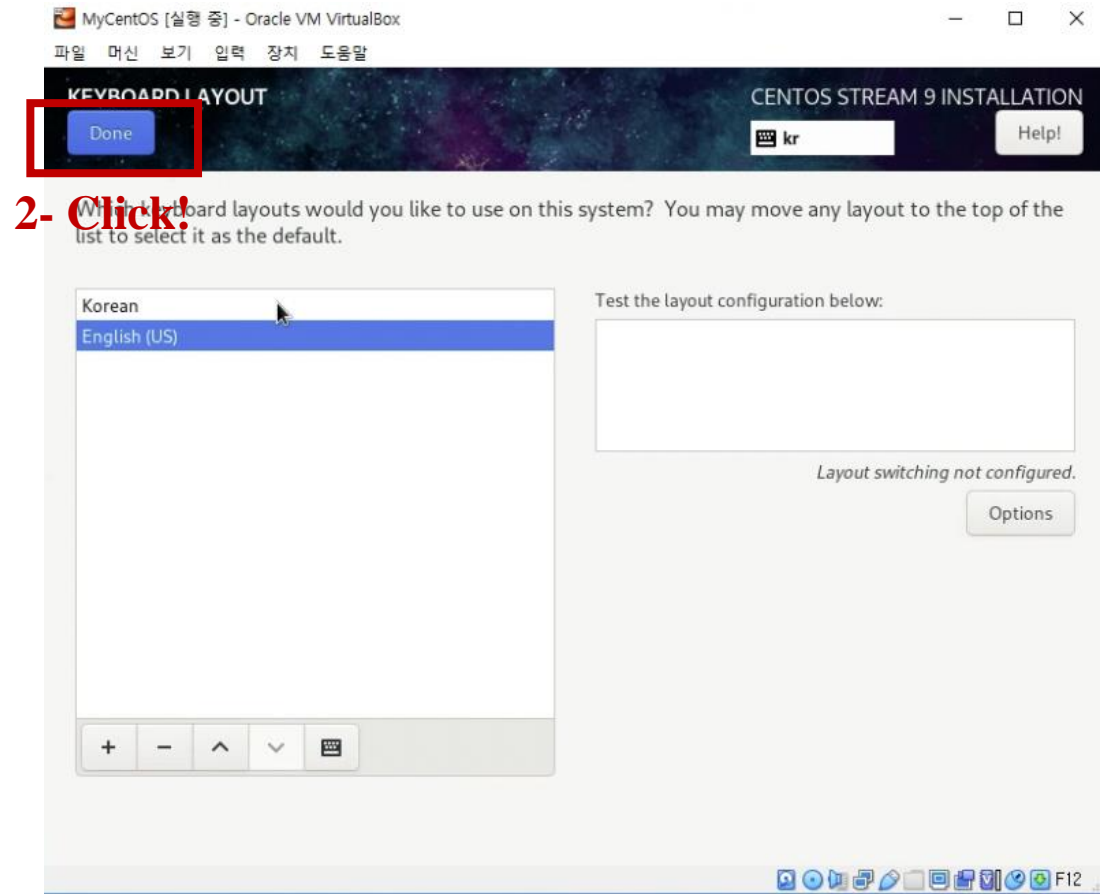
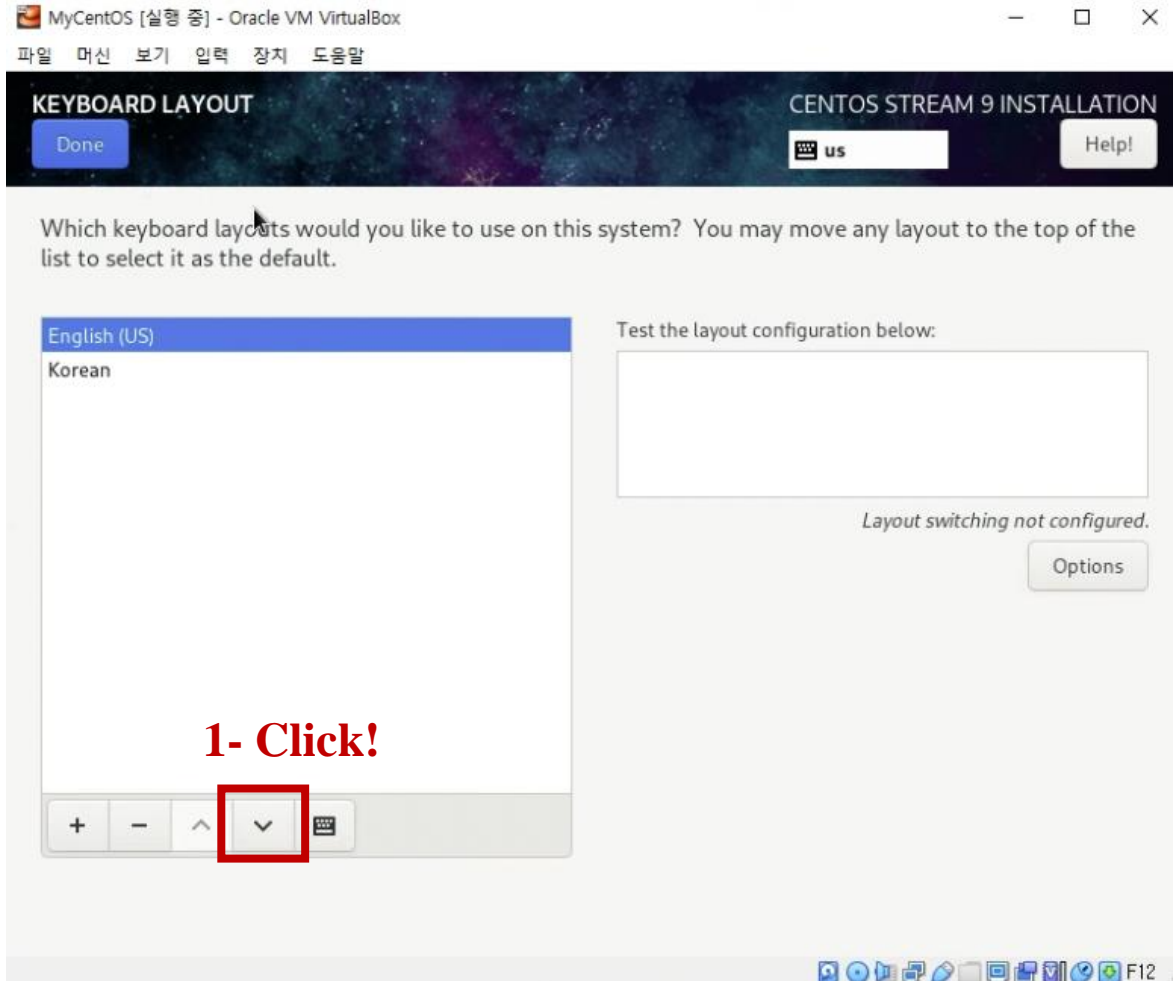


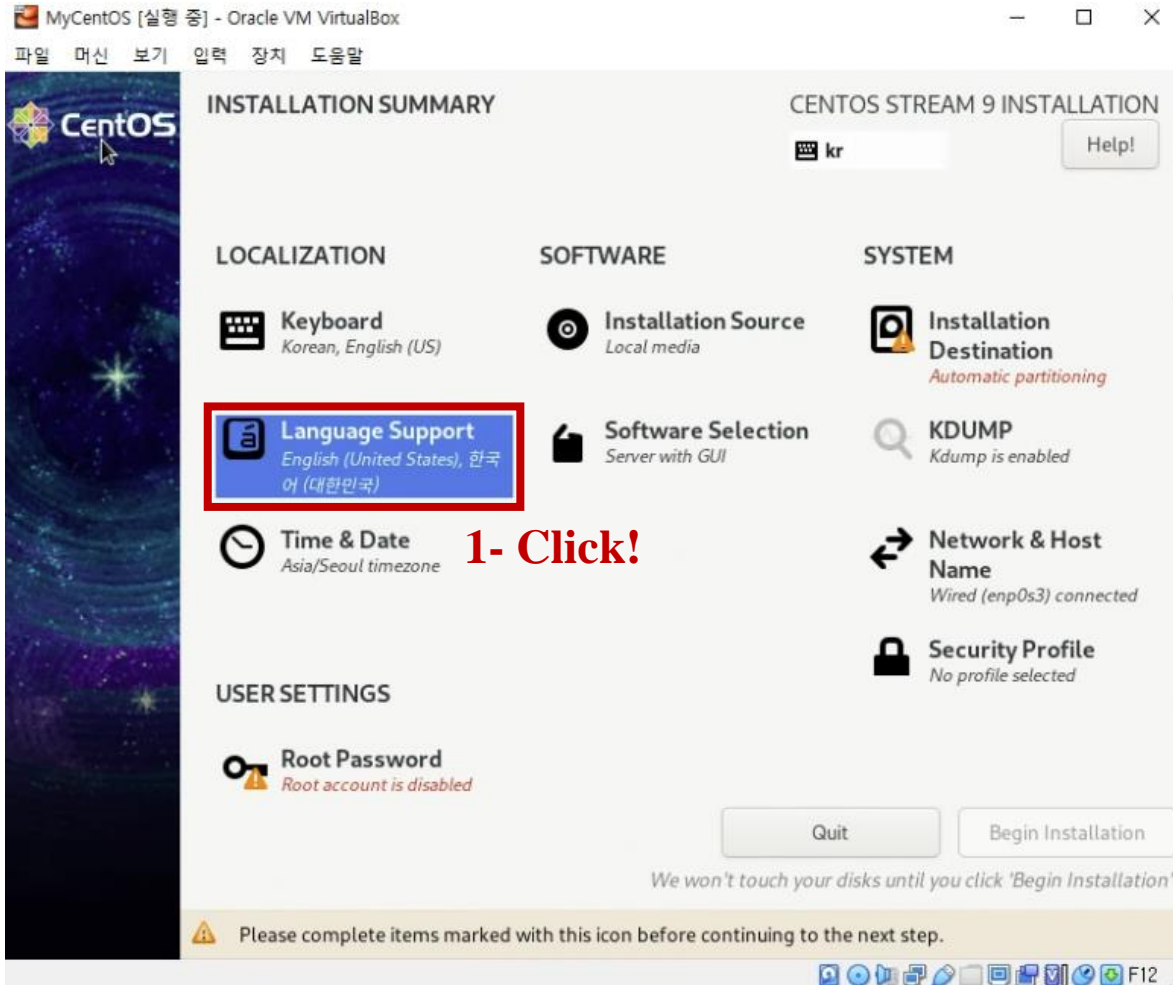




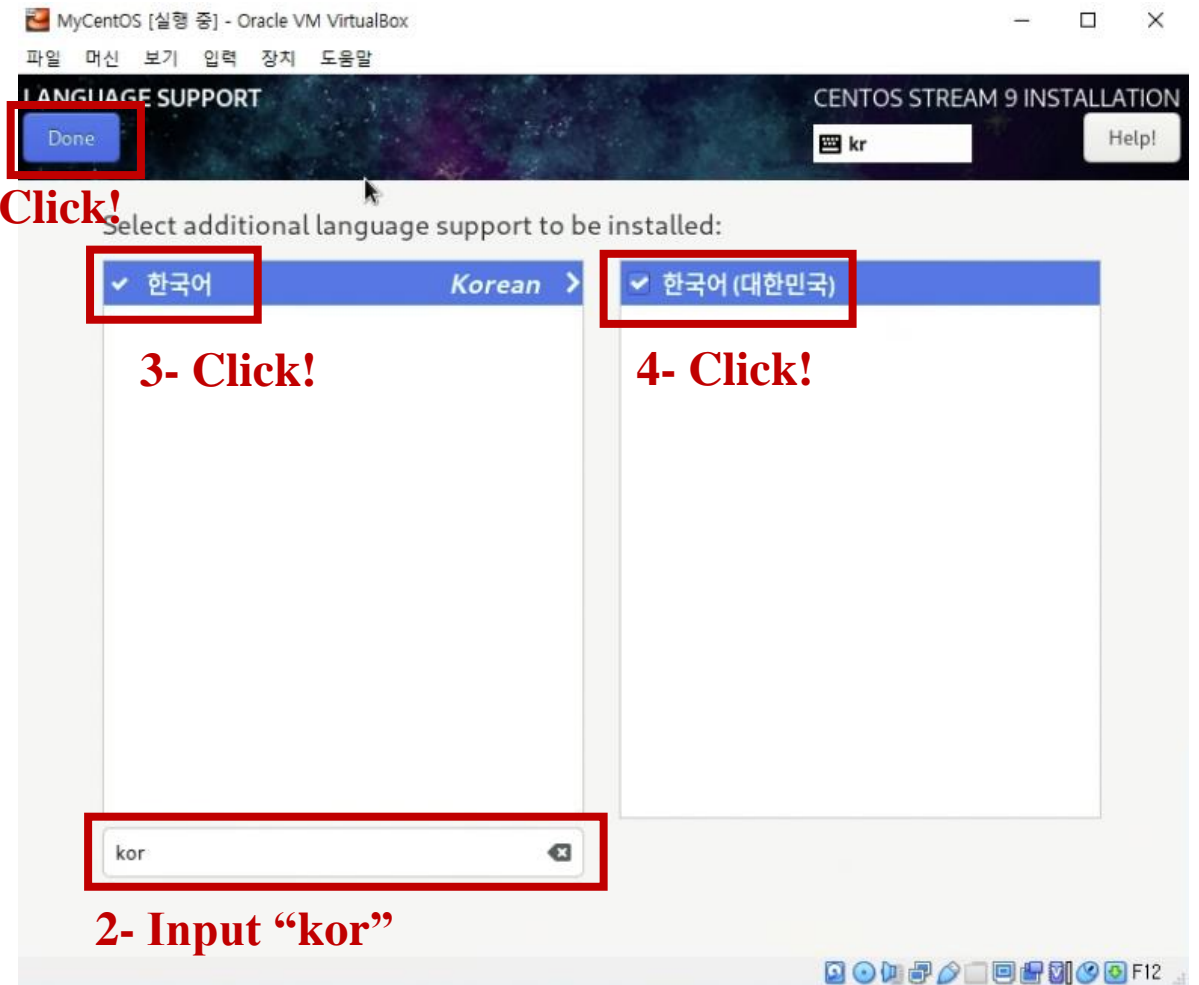
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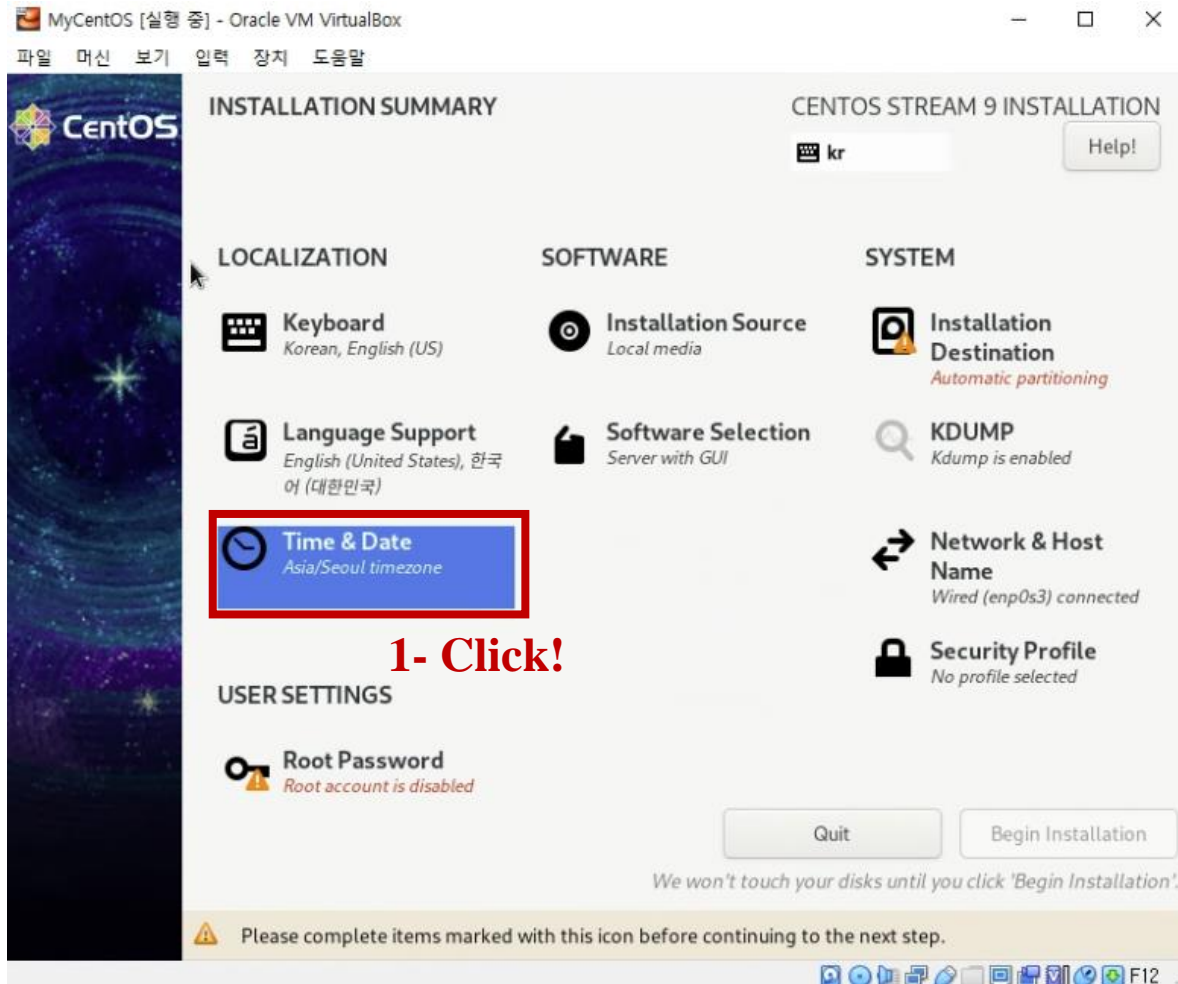




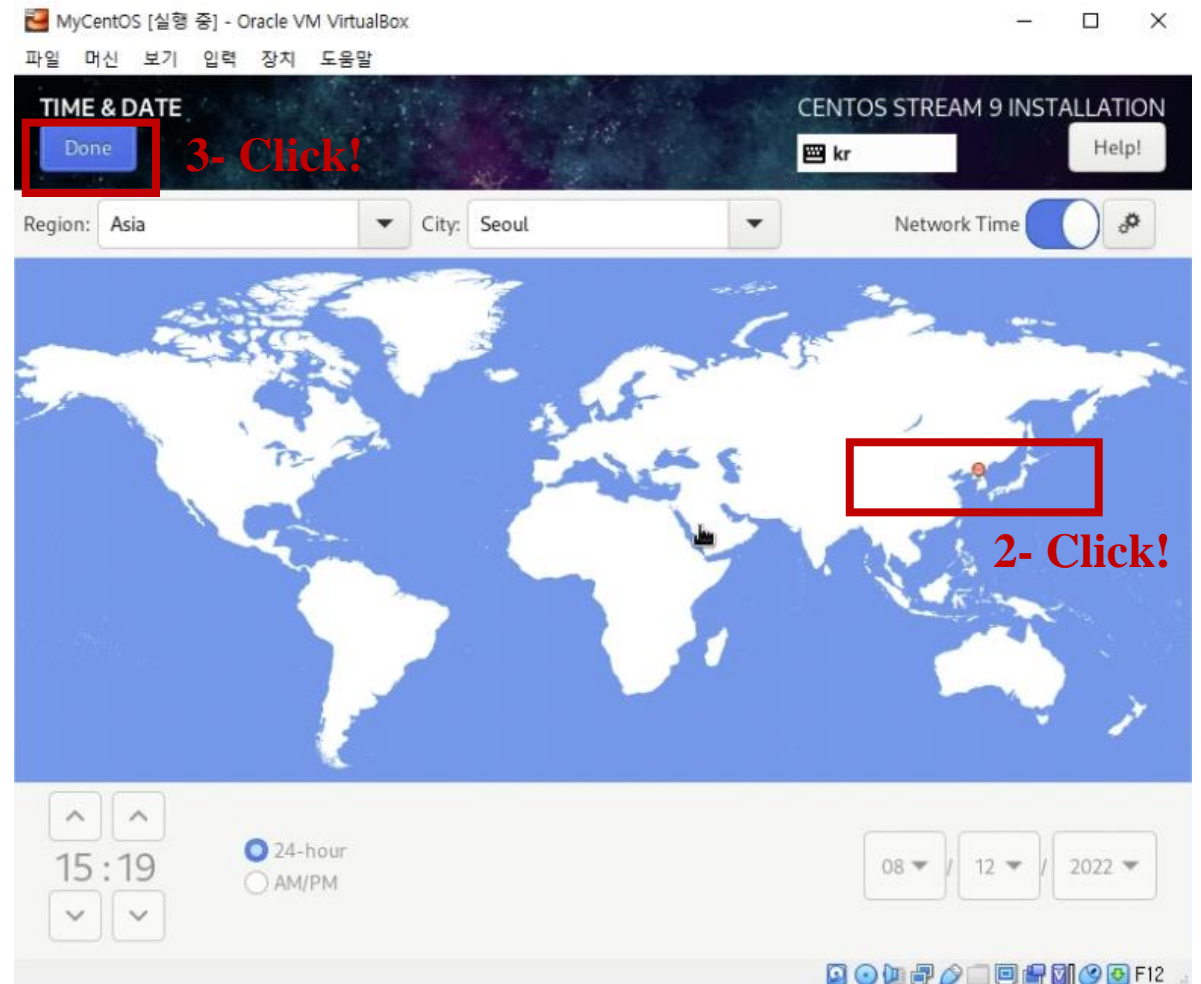
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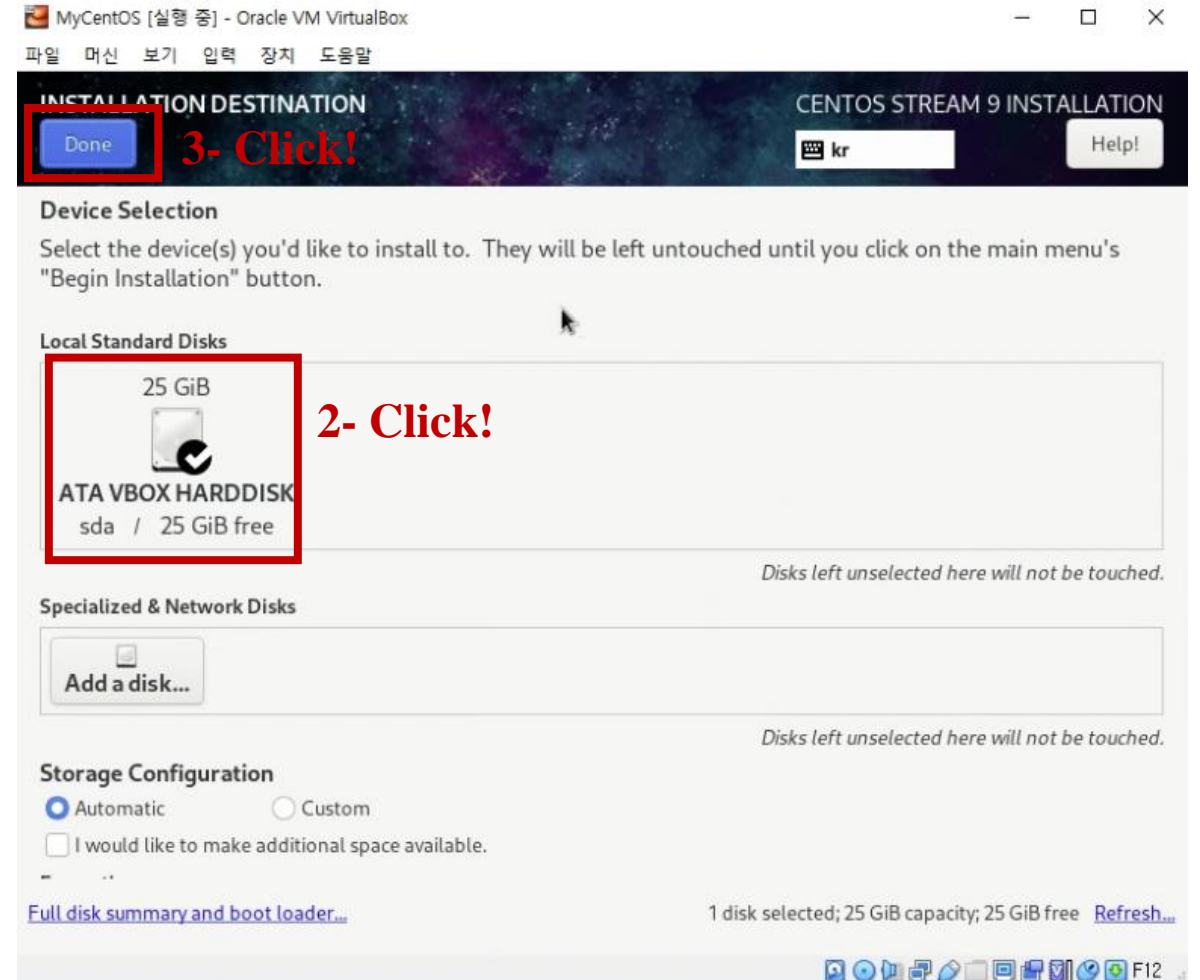
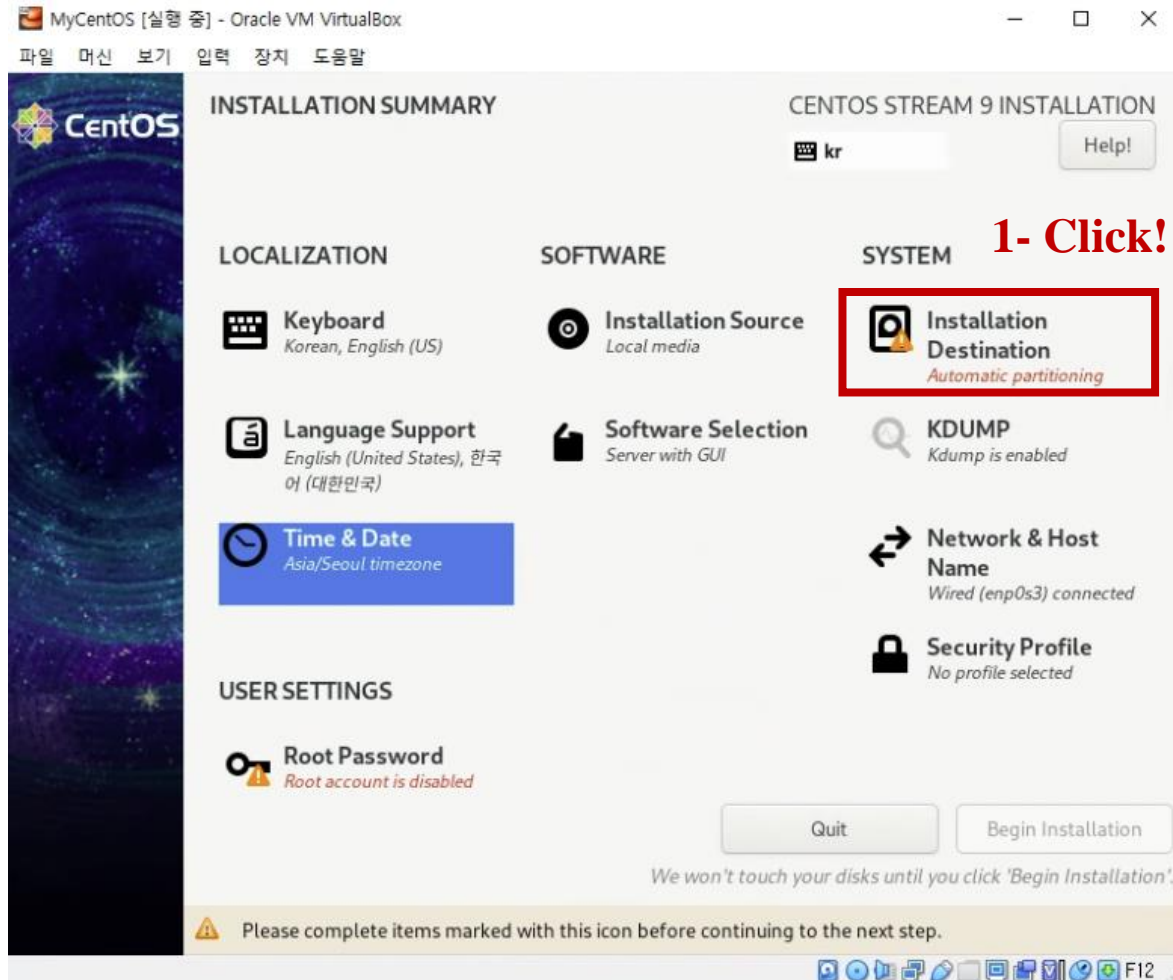


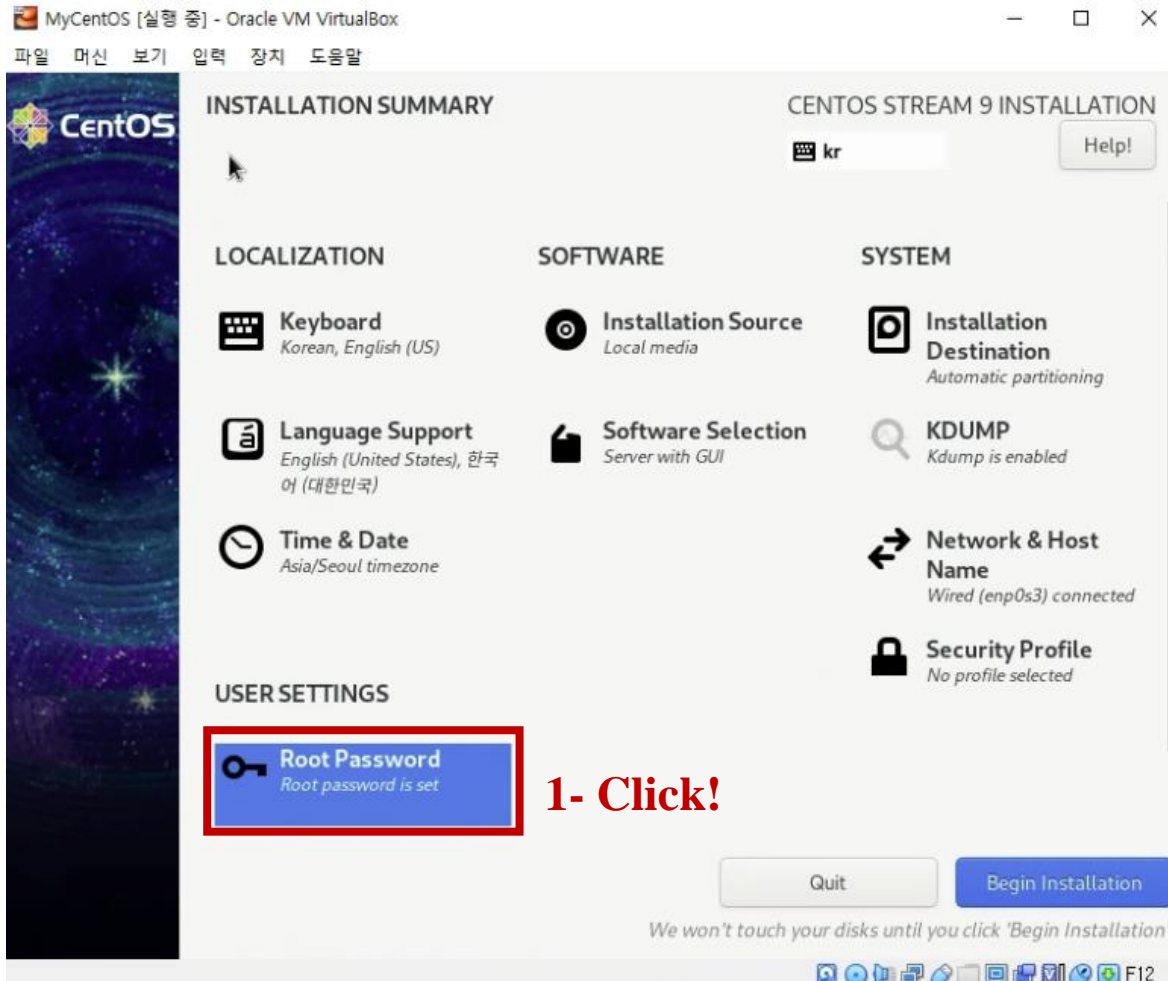
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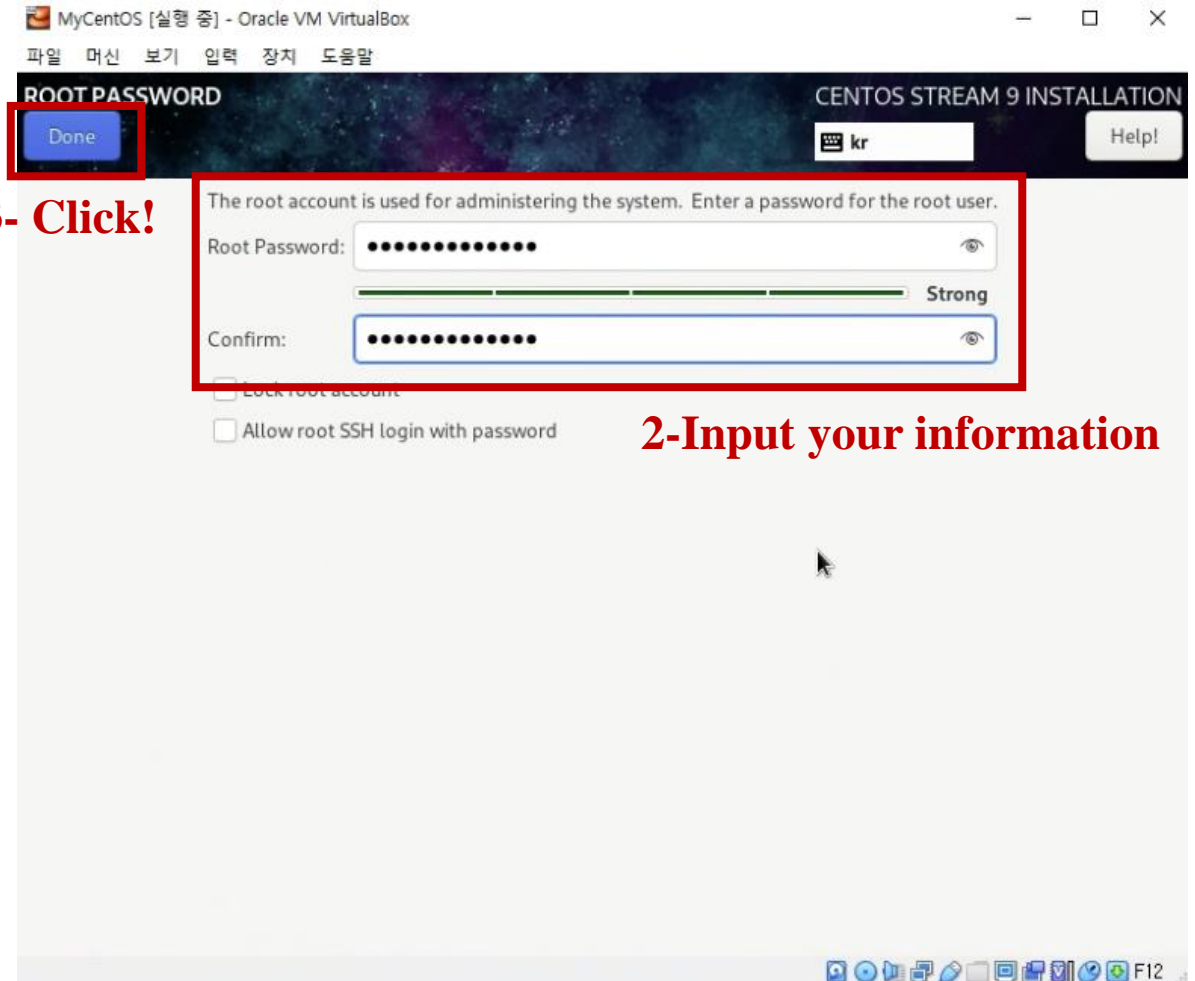
1- Click!





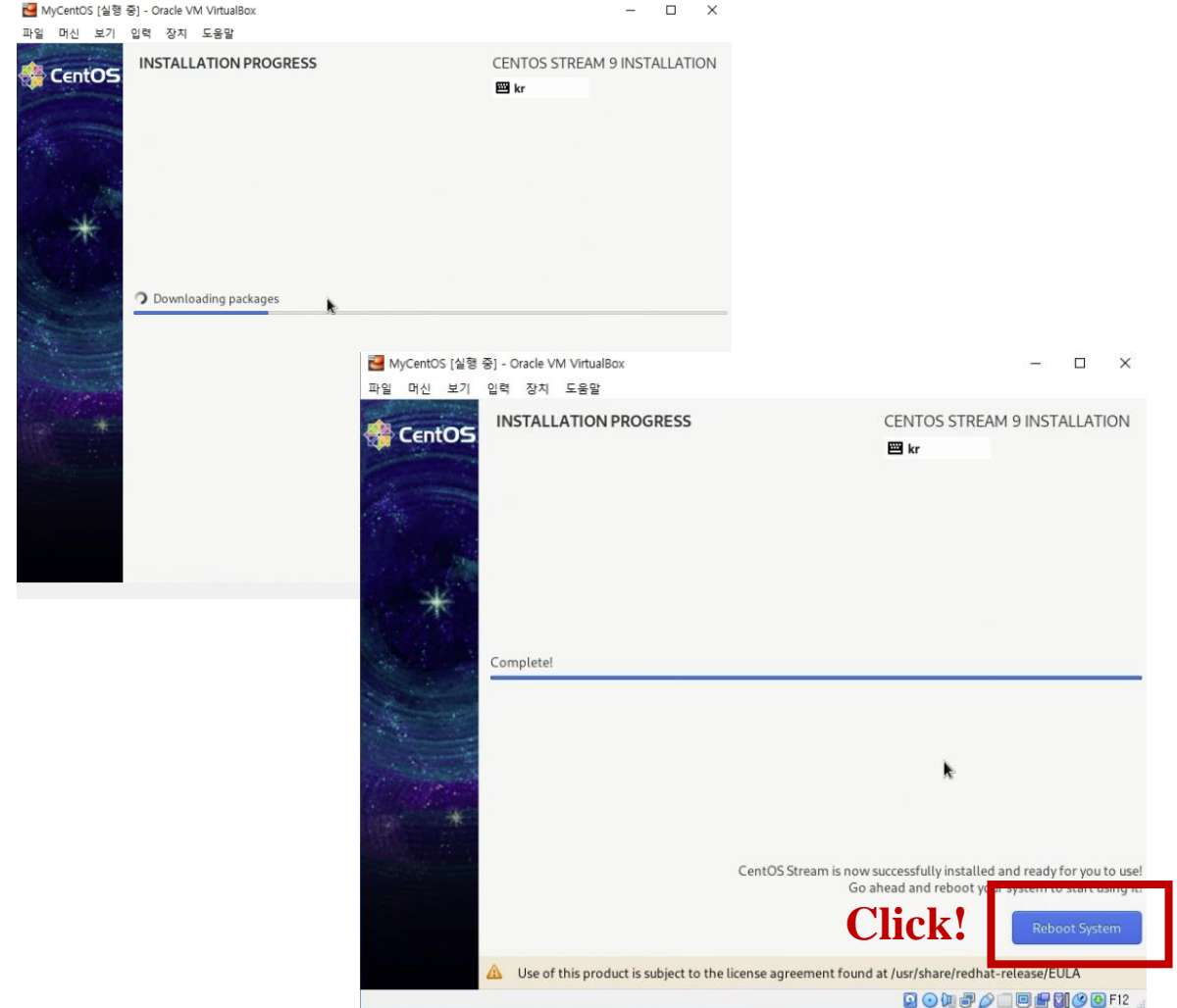
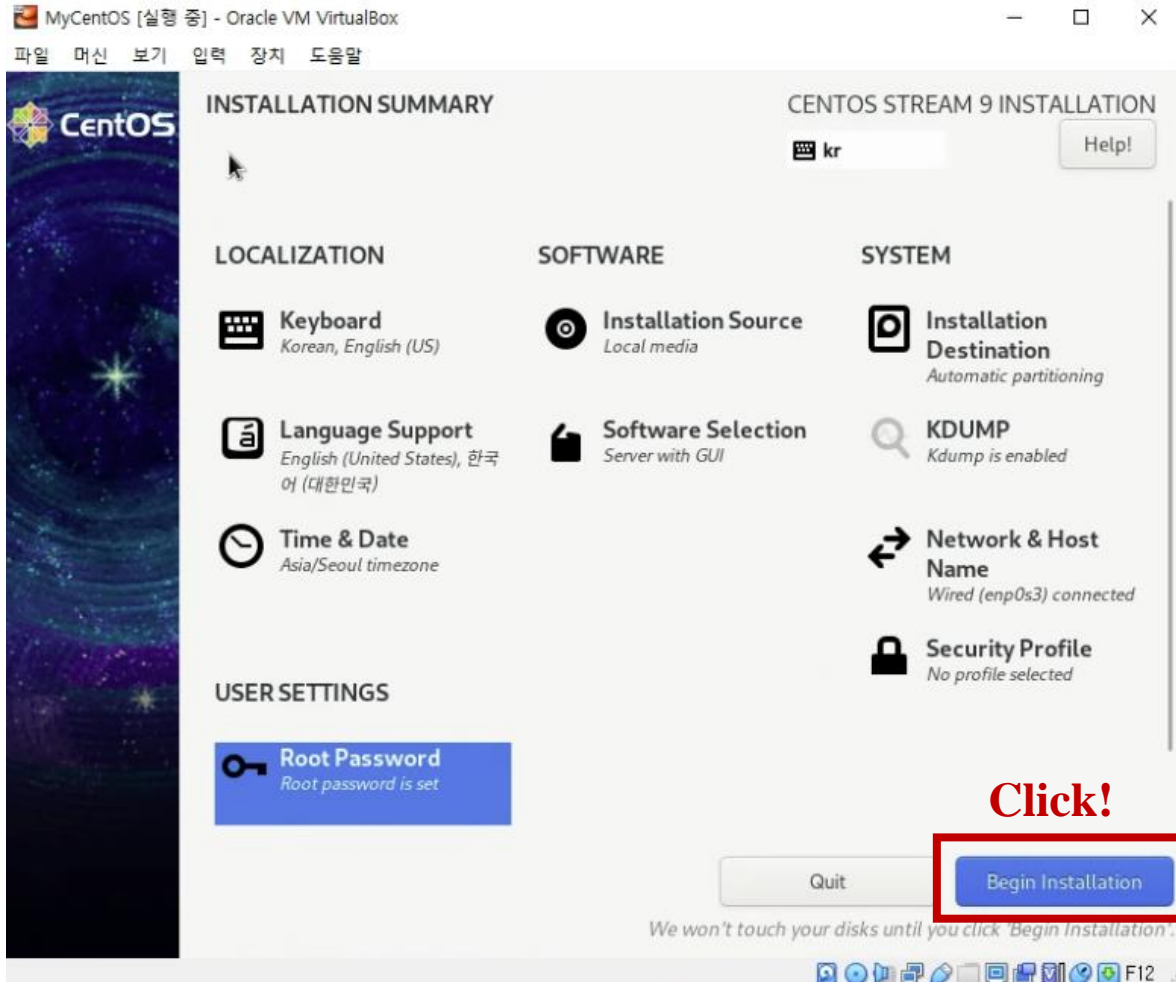


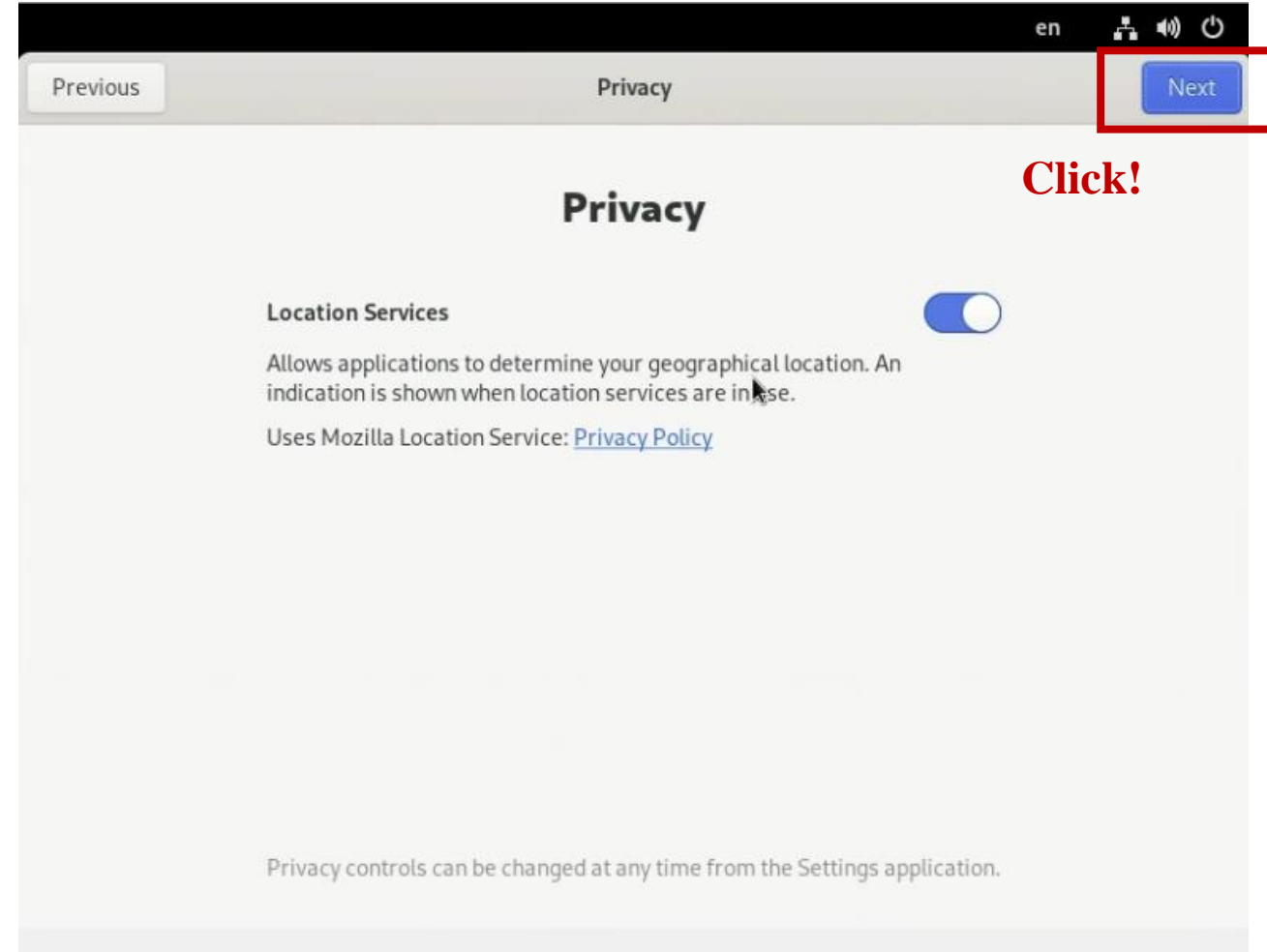
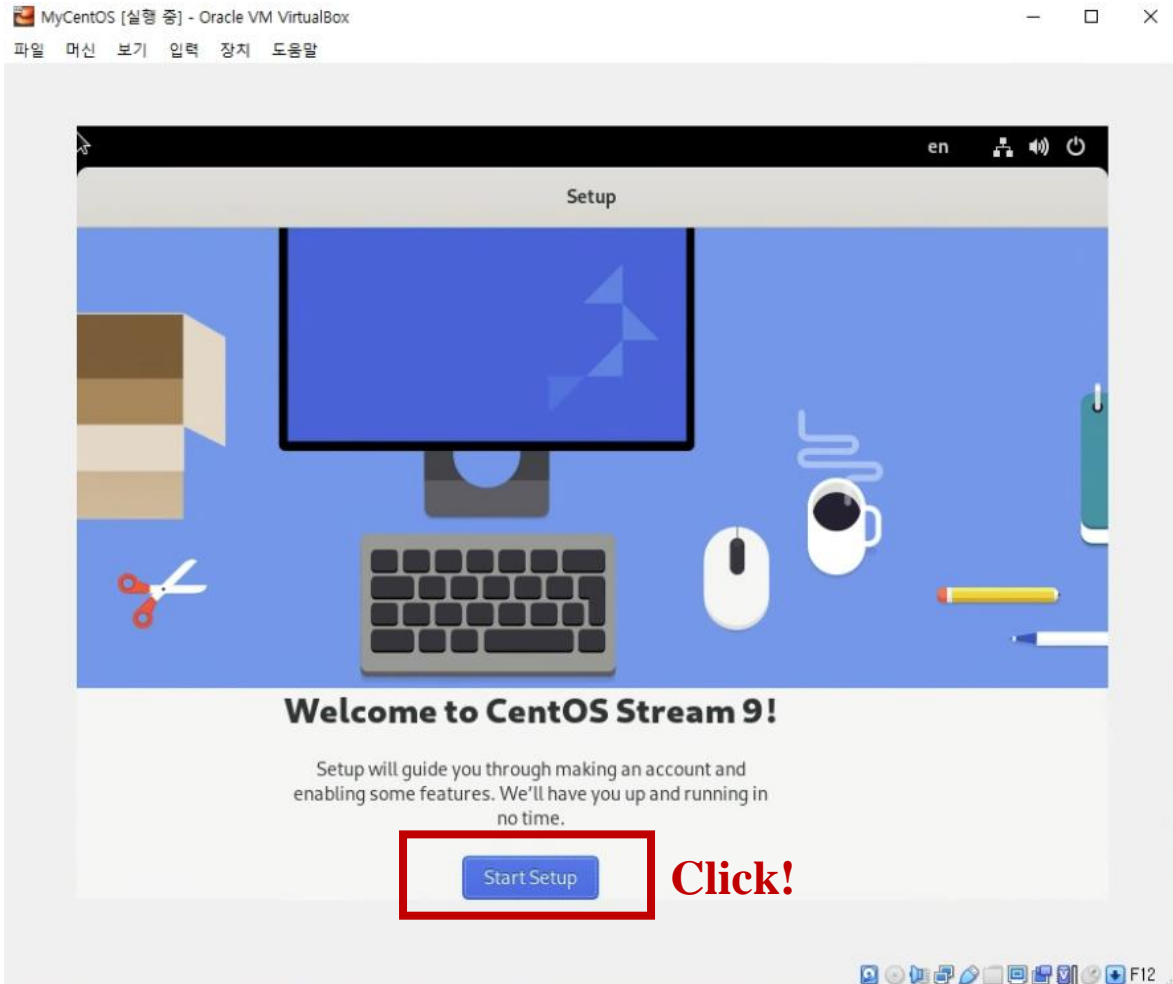
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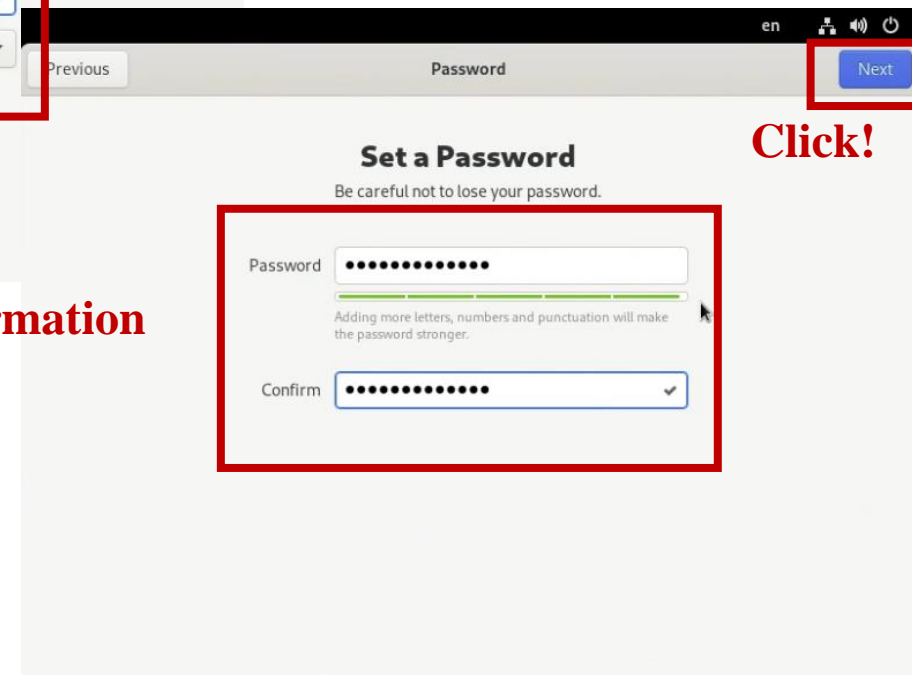
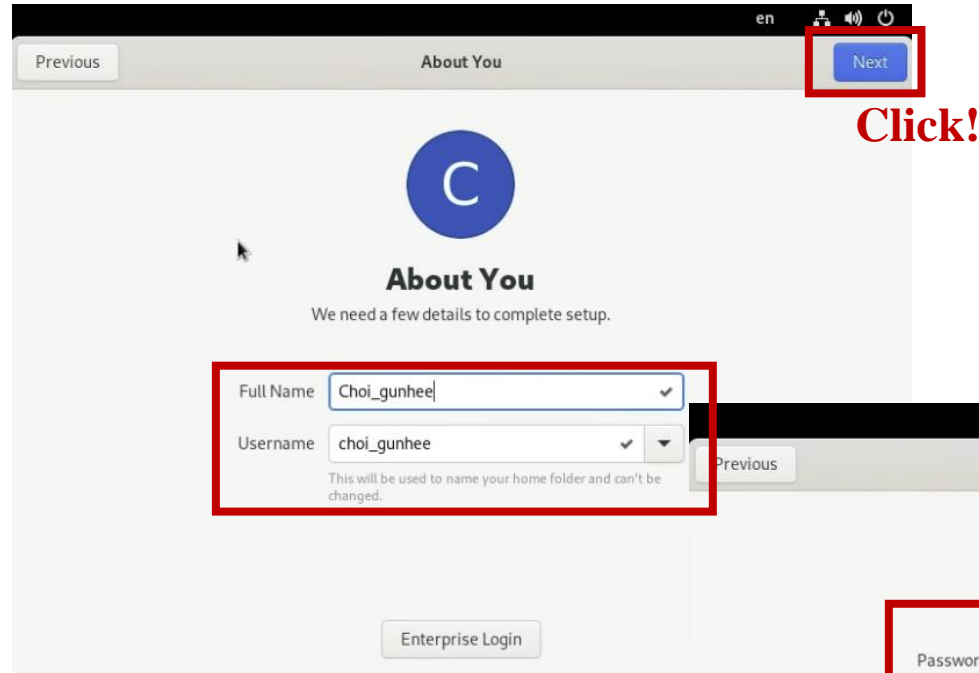
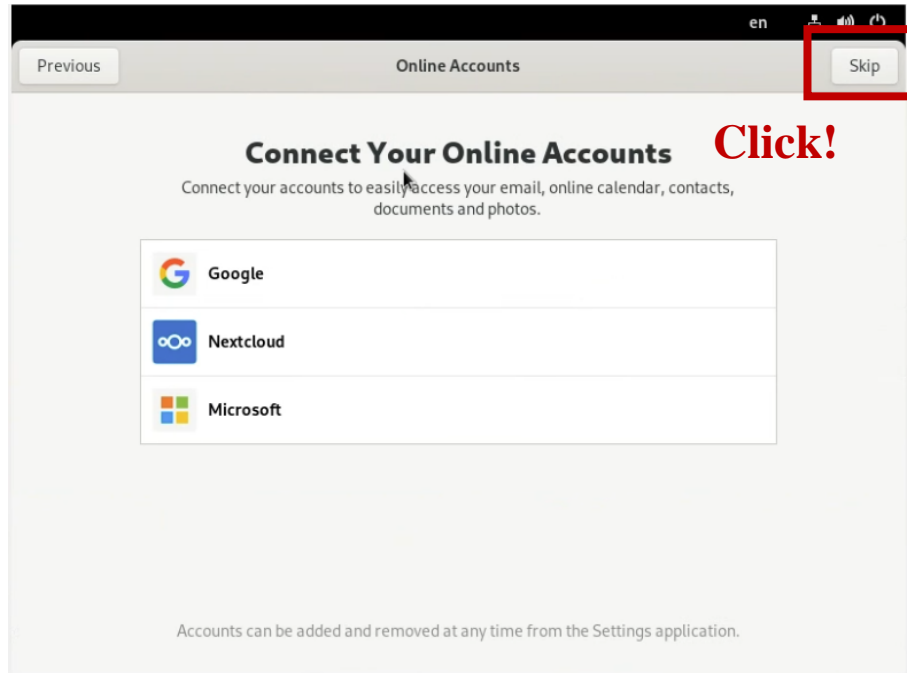


3- Click!

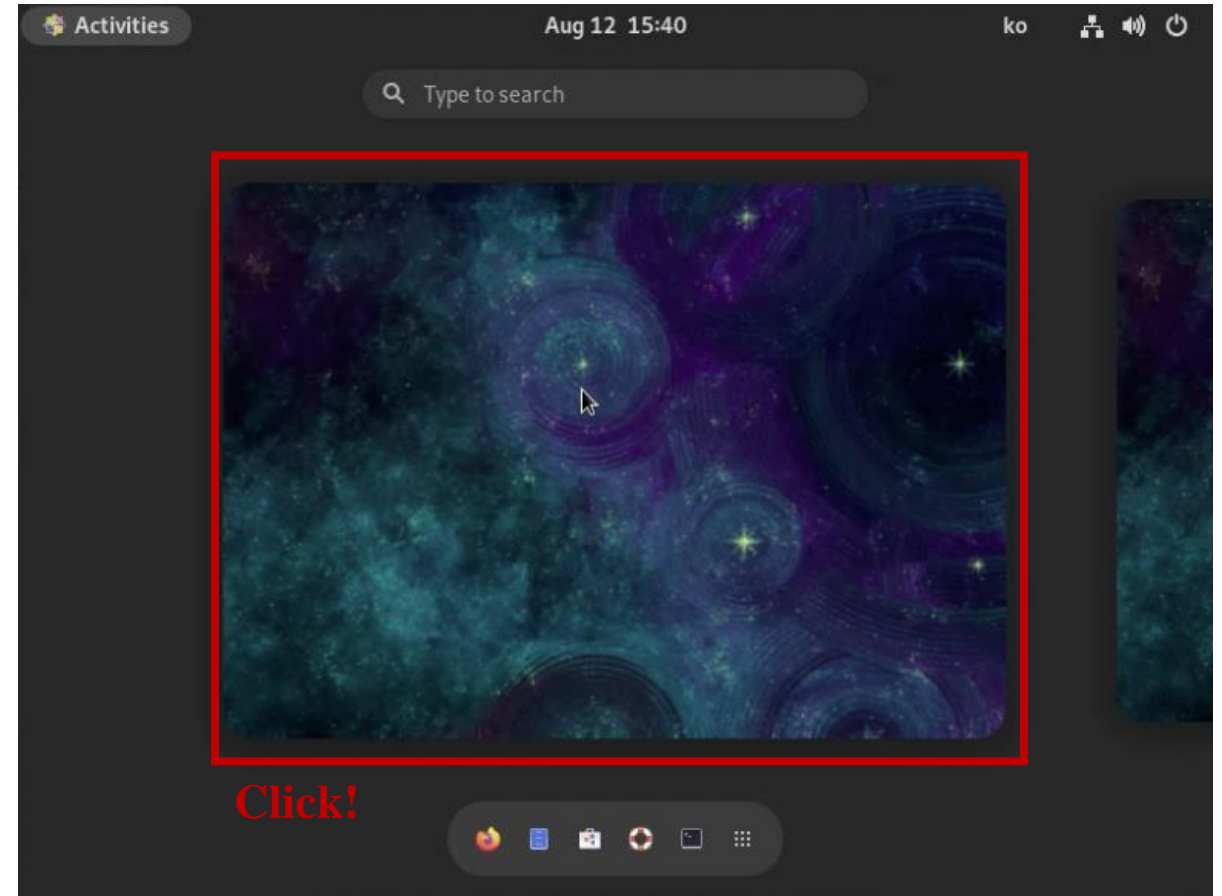
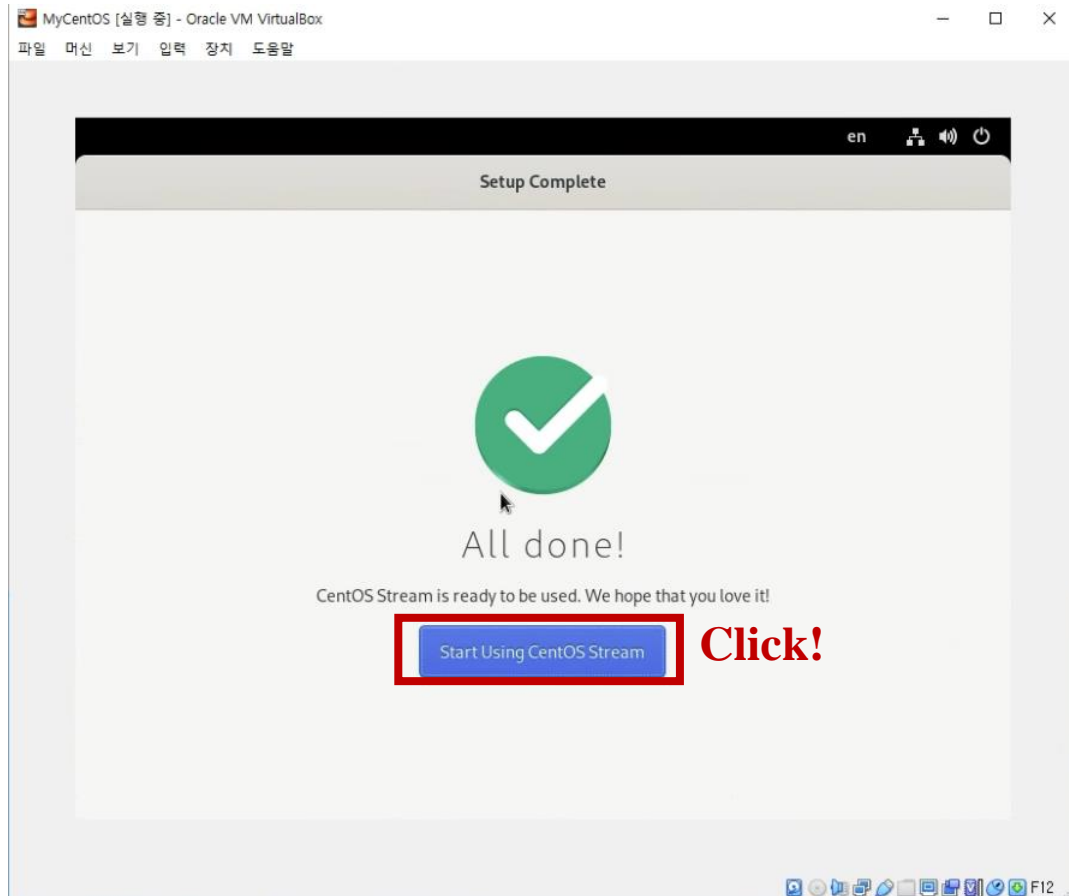
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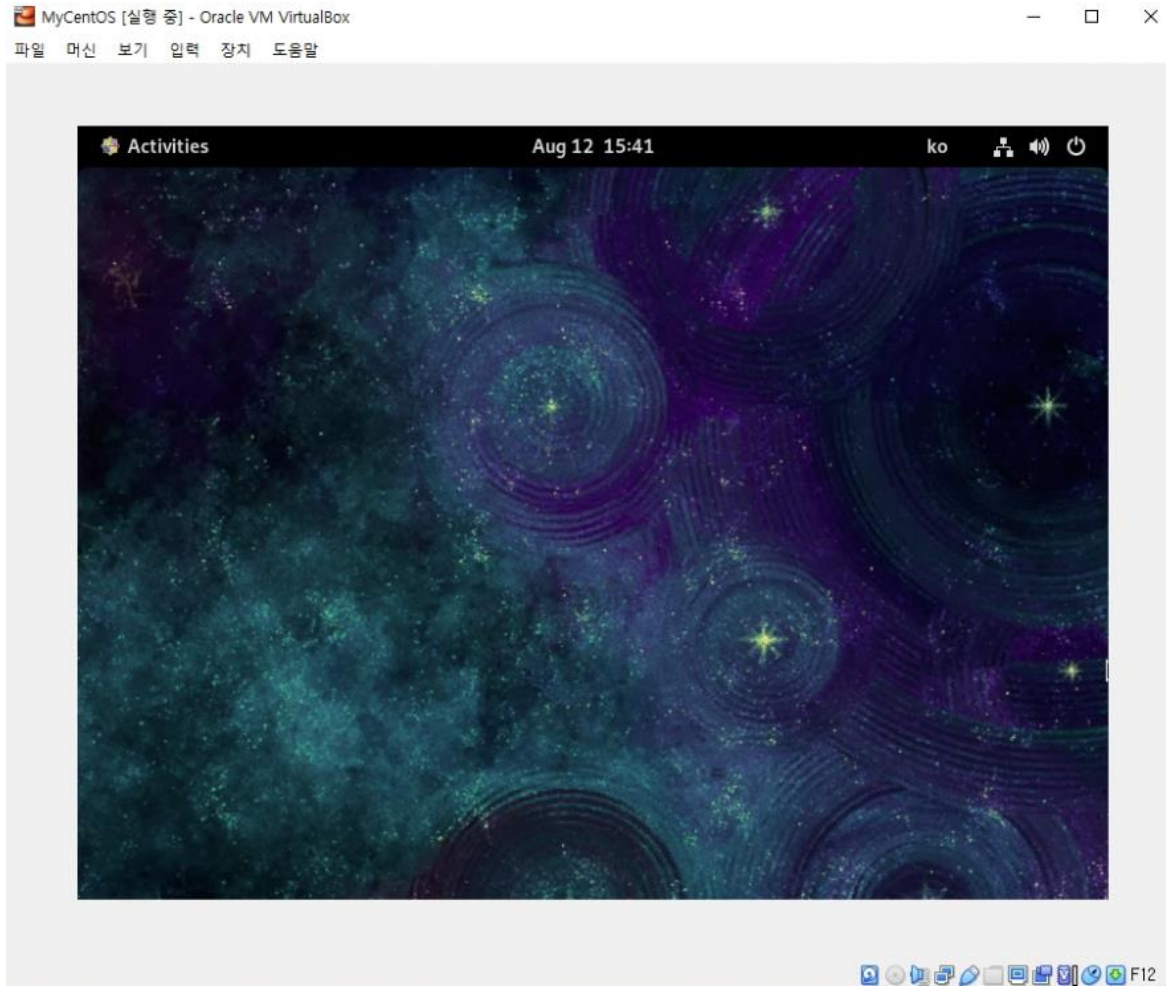




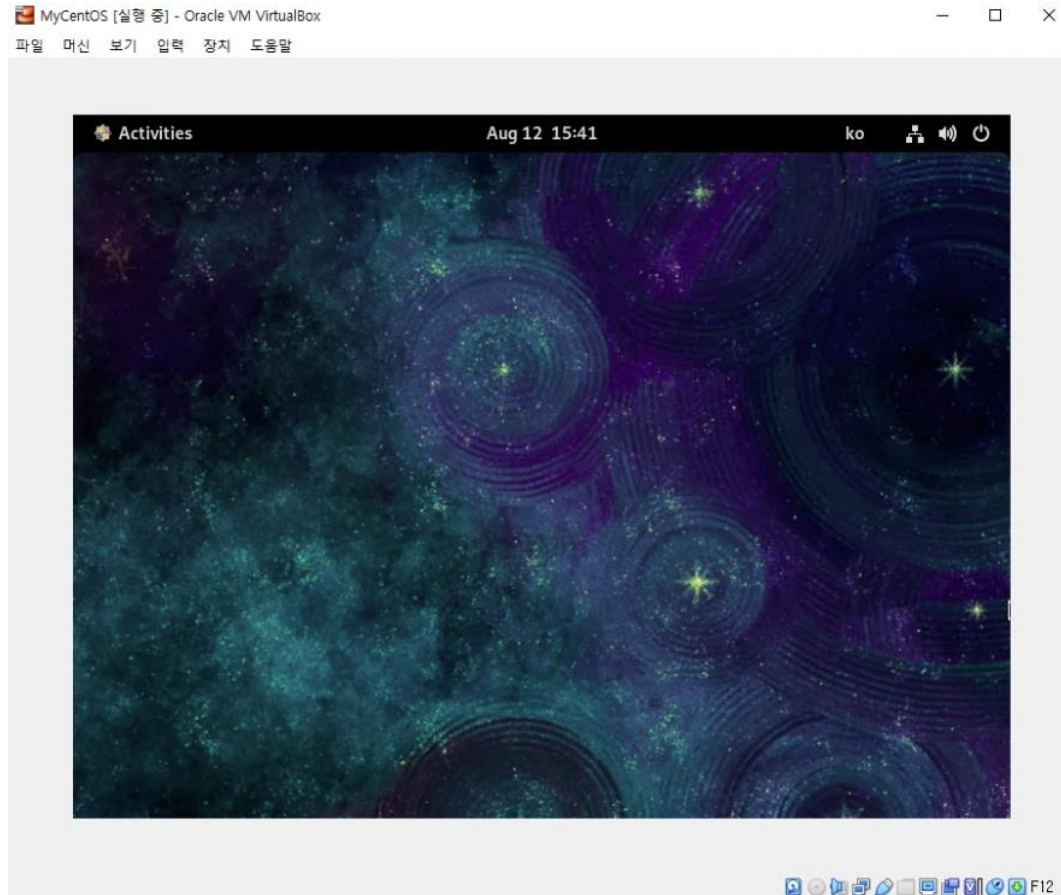


Input your information

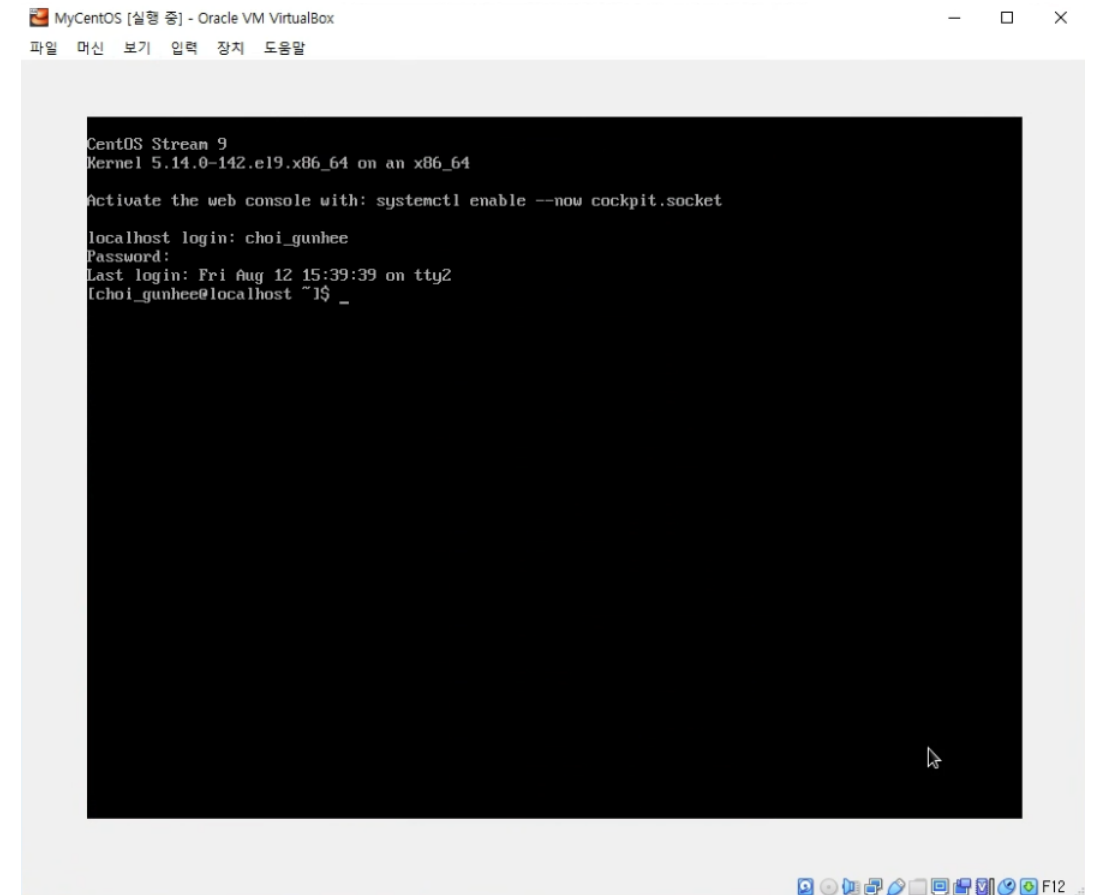




Done!



Ctrl + Alt + F1



Ctrl + Alt + F3

Q&A